

AN UPDATED, ANNOTATED VASCULAR FLORA OF CADDO PARISH,
LOUISIANA, WITH NOTES ON REGIONAL
PHYTOGEOGRAPHY AND ECOLOGY

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ABSTRACT

It has been a quarter century since a checklist of the vascular flora of Caddo Parish, Louisiana, was published. Therefore, we revise and update the Caddo Parish checklist, accepting only vouchered species. We found 1405 species (1168 native, 237 non-native). Additionally, we examine the Caddo Parish flora in terms of its phytogeographical affinities. It is closely associated with the eastern United States and particularly with the southeastern United States. Caddo Parish appears to be particularly species rich compared to other parishes and counties of approximately the same size across the southeast. This may be not only because Caddo Parish is diverse but because it has been particularly well-collected. Among communities occurring in Caddo Parish, xeric sandylands are particularly well-represented and account for a high percentage of West Gulf Coastal Plain endemic and rare species.

KEY WORDS: Floristic checklist, Caddo Parish, Louisiana flora

RESUMEN

Hace ya un cuarto de siglo que se publicó el catálogo de la flora vascular de Caddo Parish, Louisiana. Por ello, revisamos y ponemos al día el catálogo de Caddo Parish, aceptando únicamente especies con pliegos testigo. Encontramos 1405 especies (1168 nativas, 237 no nativas). Además, examinamos la flora de Caddo Parish en términos de sus afinidades fitogeográficas. Está muy asociada con el este y particularmente con el sureste de los Estados Unidos. Caddo Parish parece ser particularmente rico en especies comparado con otros condados de aproximadamente el mismo tamaño en el sureste. Esto puede que no sea solo porque Caddo Parish es diverso sino porque ha sido particularmente bien muestreado. Entre las comunidades que aparecen en Caddo Parish, están muy bien representados los campos arenosos xéricos y aparece un alto porcentaje de especies raras y endémicas de la llanura costera del oeste del golfo.

INTRODUCTION

Caddo Parish, Louisiana, is located in the Red River watershed in the center of the West Gulf Coastal Plain (Fig. 1). It is bordered on the north by Arkansas, the west by Texas, the east by the Red River, and the south by DeSoto Parish. The only boundary that could be considered ecologically significant is the Red River; the remainder are political. Approximately equidistant from Caddo Parish are blackland prairies to the west, the Ouachita Mountains to the north, the Mississippi River and its extensive floodplain to the east, and the Gulf of Mexico to the south. Caddo Parish is located in the Oak-Pine-Hickory phytogeographical region of eastern North America (Braun 1950; Skeen et al. 1993; MacRoberts

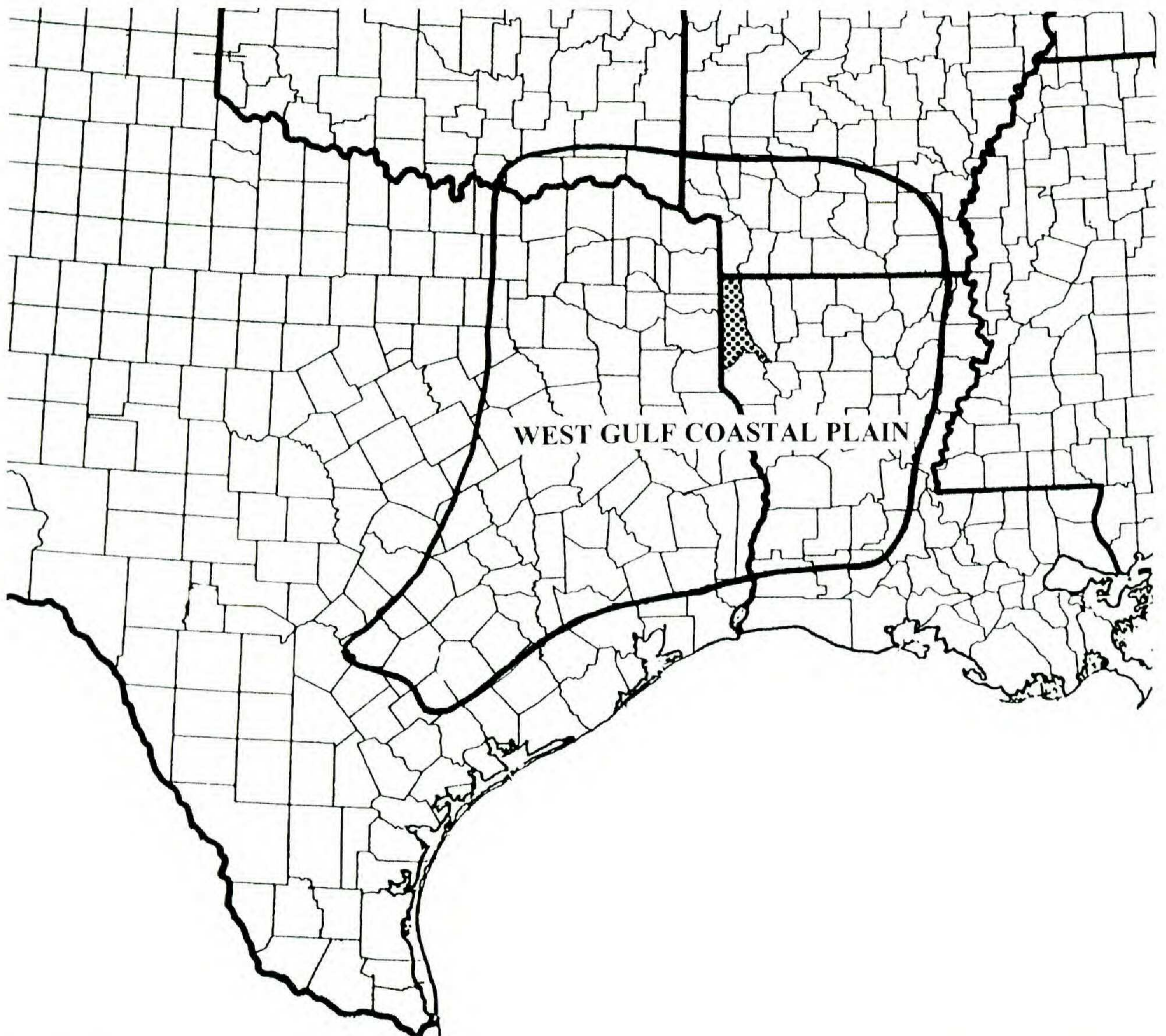


FIG. 1. Location of Caddo Parish, Louisiana.

& MacRoberts 2003a). McLaughlin (in press) places it in the Austroriparian floristic subprovince, with some characteristics of Comanchian and Illinoian subprovinces.

The topography of Caddo Parish is relatively simple. The Red River floodplain covers about 28 percent of the 2,283 km sq. parish; the remainder is uplands (Fig. 2). The floodplain forms a continuous north-to-south border along the eastern edge of the parish. The floodplain can be narrow as when the river approaches a bluff, but it is generally several kilometers wide. At the edge of the river are natural levees and swales. Floodplain elevations range from approximately 60 meters at the northern edge of the parish to about 43 meters at the southern edge. The overall north-south slope is very slight. Sediments are almost entirely of Red River alluvial origin and are Pleistocene/Holocene (Edwards et al. 1980).

Uplands flank the floodplain at its western edge. This often involves an abrupt elevation transition generally in the range of 10 to 20 meters. Elevations rise to no more than 137 meters in rolling low hills and relatively flat terraces. The upland is geologically older than the alluvium and generally consists of Tertiary deposits. The geology, soils, and climate of Caddo Parish are described by Teague and Wendt (1994) and are a continuum of east Texas (Diggs et al. 2006).

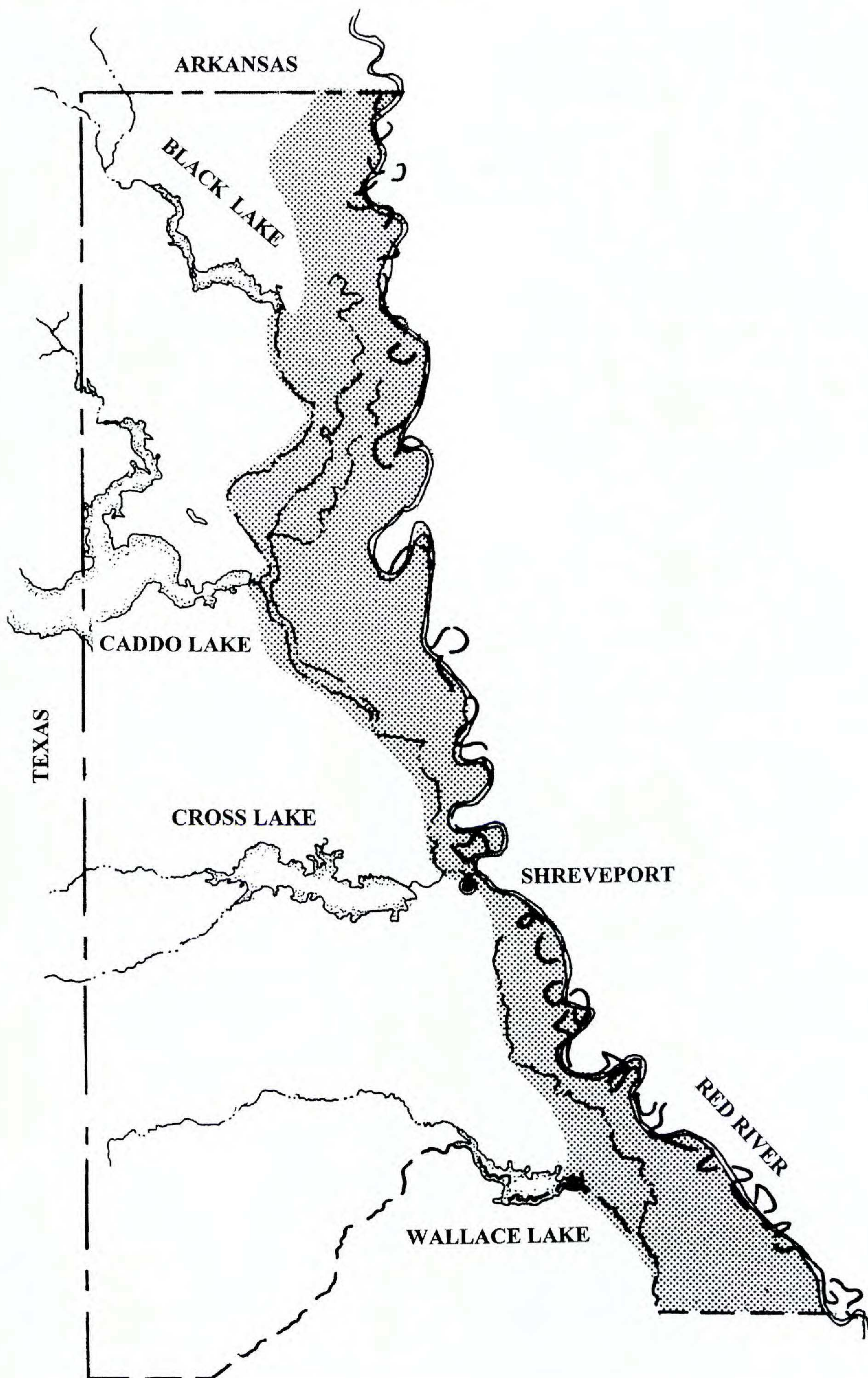


FIG. 2. Caddo Parish showing upland and floodplain (stippled).

Land surveys conducted by the Government Land Office in the 1830s show that in presettlement times the uplands were dominated by oak, pine, and hickory and the floodplains by cottonwood, sycamore, willow, pecan, box elder, ash, cypress, and hackberry, with essentially no overlap in species between upland and floodplain (MacRoberts & MacRoberts 2005). In some parts of the uplands, pine was nearly absent and oak and hickory were dominant; in others, pine reached about 50 percent of the canopy. There appeared to have been no monospecific pine forest in Caddo Parish. The distribution of woody species appears to be the same today as it was 170 years ago (MacRoberts & MacRoberts 2005).

Historically, prairies were scattered across the region in both the uplands and floodplain (MacRoberts et al. 2003; MacRoberts & MacRoberts 2004a). The large “Caddo Prairies” on the floodplain near modern day Gilliam and Hosston no longer exist, and we have little or no information about them aside from the brief descriptions Custis and Freeman made in 1806 and those in the Government Land Office survey maps and line notes (Flores 1984; MacRoberts & MacRoberts 2005). Canebrakes and cedar forests apparently were common in the early nineteenth century but are entirely gone today (Flores 1984; MacRoberts et al. 1997). The Red River Raft, an immense logjam long since cleared, caused extensive flooding and the creation of “raft lakes,” the water level of which rose and fell with the annual fluctuations of the river (Triska 1984). Wallace, Cross, and Caddo lakes are impounded remnants of the raft lakes and continue to be dominated by cypress. Oxbow lakes are common on the floodplain.

While the effects of Native Americans on the Caddo Parish landscape are unknown, the effects of Euroamericans have been extensive. The river, its floodplain, and adjacent upland ecosystems have undergone major modification over the past two centuries. Essentially the entire landscape has been converted to farms and plantations and, latterly, urban sprawl. The once continuous savanna/forest with its numerous plant communities covering hundreds of thousands of hectares is now essentially gone with only fragments of the natural vegetation remaining and few areas, if any, in virgin condition. Baldcypress swamps, black willow riverbank shrublands, and cottonwood forests hang on while some floodplain communities such as cedar forests, canebrakes, and prairies have vanished entirely. The upland has also been modified, mainly by urban sprawl, logging, fire suppression, and clearing for farms. Vast areas of forest were clear-cut in the latter part of the nineteenth and early part of the twentieth century and replanted as pine plantations.

Caddo Parish is one of the best collected and reported Louisiana parishes and is certainly the best collected and reported parish or county in the “Ark-La-Tex” region—northeastern Texas, southwestern Arkansas, and northwestern Louisiana (Smith 1988; Thomas & Allen 1993–1998; Turner et al. 2003).

Caddo Parish was first visited and collected by Peter Custis in 1806 (Flores 1984; MacRoberts et al. 1997; MacRoberts & MacRoberts 2004b). Josiah Hale collected in the parish in the mid-nineteenth century. N.F. Peterson from Louisiana State University and Reginald W.S. Cocks from Tulane University collected in Caddo Parish in the early twentieth century. F.W. Pennell from the Academy of Natural Sciences in Philadelphia worked briefly in the area in 1913 when he collected the only known example of *Agalinis caddoensis* (MacRoberts 1978b; Canne-Hilliker & Debrule 1993). E.J. Palmer from Missouri Botanical Garden and D.S. and H.B. Correll (1941), working out of Duke University, collected in the area in the late 1930s. Clair A. Brown from Louisiana State University

sporadically collected in Caddo Parish through the mid-century. John W. Thieret, then at the University of Southwestern Louisiana in Lafayette (now University of Louisiana in Lafayette), collected in Caddo Parish in the 1960s. During the early 1970s, Roselie Overby (1974) collected the flora of Caddo Parish for her thesis at the University of Louisiana at Monroe (formerly Northeast Louisiana University) under the direction of R. Dale Thomas, who also collected regularly in the parish into the twenty-first century. Upon beginning the herbarium at Louisiana State University in Shreveport in the early 1970s, D.T. MacRoberts collected the parish for the next three decades. His collections and those of various students and faculty resulted in numerous contributions to the flora of Louisiana (MacRoberts 1977a, 1977b, 1978a, 1978b, 1979a, 1979b, 1980a, 1980b, 1980c, 1984a, 1984b, 1987, 1989; MacRoberts et al. 1997). Allen et al. (2004) collected mainly grasses in Caddo Parish through the late twentieth and early twenty-first centuries. Special studies have been undertaken such as those of xeric sandylands in northern Caddo Parish (MacRoberts & MacRoberts 1995) and the Bickham-Dickson Park/Red River Watershed Research Park on the Red River floodplain in Shreveport (MacRoberts & MacRoberts in prep.). Other notable collections are those of Larry Raymond from the Walter Jacobs Memorial Park, near Blanchard (Thomas et al. in press). The Louisiana Natural Heritage Program has been active in documenting the rare flora of Caddo Parish (Louisiana Natural Heritage Program 2006; Reid & Faulkner in press).

The purpose of this paper is to provide an updated, vouchered checklist of the vascular flora of Caddo Parish, put Caddo Parish in its phytogeographic context, summarize data on rare plants found in Caddo Parish, and summarize data on regional endemics. The construction of the list has been both aided and hampered by precedents. While previous lists often provided information on where specimens might be found, they did not do so invariably. Although we located vouchers for most reported taxa, many reported taxa could not be located, presumably because the specimens were misfiled (lost), out on loan, initially misidentified and subsequently annotated to another taxon, or were located in an unspecified herbarium. Additionally, some authors reported taxa for which no voucher was collected (i.e., "sight records").

METHODS

Using published accounts (MacRoberts 1979a, 1984a, 1989; Gandhi & Thomas 1989; Thomas & Allen 1993–1998; MacRoberts & MacRoberts 1995; Allen et al. 2004; Louisiana Natural Heritage Program 2004, 2006; Thomas et al. in press; MacRoberts & MacRoberts in prep.), we compiled a checklist (with vouchers where possible) of species reported for Caddo Parish. We then checked the list against Kartesz and Meacham (1999) and *Flora of North America* (Flora of North America Editorial Committee 1993–2006) to eliminate synonyms and to correct nomenclature. We searched LSUS and NLU for vouchers in addition to obtaining loans from BRIT, DUKE, LAF, LSU, LTU, MO, NLU, NO, and US.

Some authors included various waifs and garden and horticultural "escapes" (e.g., corn [*Zea mays* L.], and okra [*Abelmoschus esculentus* (L.) Moench]) and we had to make a judgement as to their status in the flora. We decided to eliminate almost all of these unless we had good reason to believe that they are propagating themselves in the wild or at least persisting.

Our taxonomic viewpoint favors "lumping" and we do not concern ourselves here with taxa below the species level, the reason being that not only are authors inconsistent on the number of infraspecific taxa recognized (e.g., compare Smith 1994; Thomas & Allen

1993–1998; Turner et al. 2003) but also on how to divide (and identify) the often subtle morphological differences between certain species. Consequently, when comparing floristic richness between various geographic areas, our list should be recognized as a “species’ list, not a “taxa” list. We do not include species on the vouchered list that we have not inspected except for some *Cyperus* determined by D. Ferguson (LSU, pers. comm.) and two specimens determined by C. Reid (Louisiana Natural Heritage Program, pers. comm.).

Nomenclature and authorities follow Kartesz and Meacham (1999) in most cases. For acaulescent violets, we follow McKinney (1992) and McKinney and Russell (2002). For *Gamochaeta*, we follow Nesom (2004a, 2004b).

In order to put Caddo Parish into a phytogeographic context, we randomly selected 417 native species from our list and, using Kartesz and Meacham (1999) and Thomas and Allen (1993–1998), determined their distribution by state or region across North America north of Mexico (see MacRoberts & MacRoberts 2003b for method). On the basis of this and other phytogeographical information, we developed a thematic map of the floristic affinities between Caddo Parish and the remainder of North America.

Rare plants often indicate rare habitat and vice versa. Using the Louisiana rare plant list (Louisiana Natural Heritage Program 2006), we listed all rare plants found in Caddo Parish and their primary habitat. We then summarized these data by habitat. Regionally endemic plants also indicate unique habitat, as do singularities. Because Caddo Parish is in the center of the West Gulf Coastal Plain, we used a list of endemics in that region to determine how many occur in Caddo Parish and with which community they are associated (M.H. MacRoberts et al. 2002). Additionally, Louisiana plant species that occur only in Caddo Parish were determined using the Louisiana Natural Heritage Program (2006) rare plant list and Thomas and Allen (1993–1998). We listed these and their associated habitats.

RESULTS AND DISCUSSION

We documented 1405 species in Caddo Parish (1168 native and 237 non-native). The vouchered checklist of the vascular plants of Caddo Parish is given after the discussion. Figure 3 gives the results of the phytogeographic analysis of Caddo Parish species. Table 1 gives Caddo Parish rare plants/plant community associations. Table 2 gives West Gulf Coastal Plain endemic species/community associations that occur in Caddo Parish. Table 3 lists the Louisiana native species found only in Caddo Parish with their associated communities.

The figure of 1405 species for Caddo Parish is higher than that for most parishes and counties of similar size throughout the southeastern United States (e.g., Nesom & Brown 1998; Leidolf et al. 2002; Neyland 2002; Marsico 2005). However, Caddo Parish has been better collected than most parishes and counties and additional collecting would bring up their species counts.

North America north of Mexico has approximately 19,000 vascular plant species (Thorne 1993; Kartesz & Meacham 1999). Caddo Parish has 7.4 percent of this total but constitutes only 0.01 percent of the land area. Likewise, while Caddo Parish constitutes only about 1 percent of the land area of the West Gulf Coastal Plain, it contains about 36 percent of the West Gulf Coastal Plain flora.

The Caddo Parish flora is eastern and specifically southeastern. Caddo Parish shares 99 percent of its flora with Texas, 98 percent with the remainder of Louisiana, 98 percent with Arkansas, 91 percent with Mississippi and Alabama, 88 percent with Oklahoma, 50

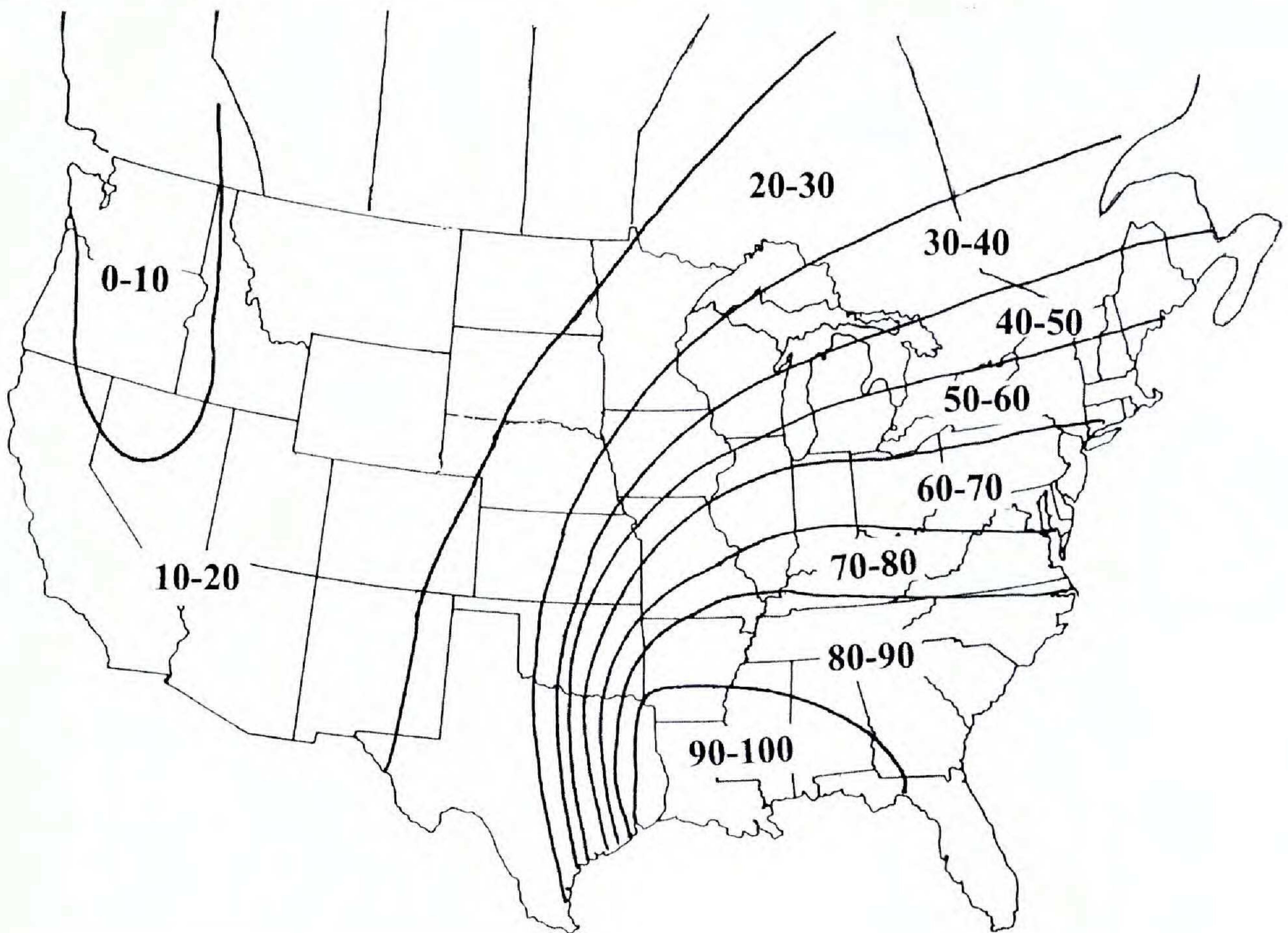


FIG. 3. The North American distribution as percent of total species of Caddo Parish plants shown thematically.

percent with the New England states, but only 21 percent with New Mexico. While Caddo Parish has 99 percent of its flora in common with Texas, there is a sharp transition zone across Texas in which eastern species drop out and are replaced by western species (MacRoberts & MacRoberts 2003b). The transition is much less dramatic to the north and east. This pattern is also shown in McLaughlin (in press).

Thirty-six percent of the Louisiana rare species listed by the Louisiana Natural Heritage Program (2006) for Caddo Parish are essentially specific to one community: xeric sandylands (MacRoberts & MacRoberts 1995; B.R. MacRoberts et al. 2002). The next ranked community for rare species for Caddo Parish is calcareous prairie with 16 percent (MacRoberts et al. 2003) and saline prairie with 14 percent, followed by pine-hardwood forest with 11 percent (Larke & Smith 1994). The remaining 23 percent of rare species are spread among six plant communities.

Caddo Parish has 45 of the approximately 100 West Gulf Coastal Plain endemic taxa (MacRoberts et al. 2002), of which 64 percent are associated with xeric sandylands. The next highest communities for endemics are baygalls and calcareous prairies with 9 and 7 percent, respectively. The remainder of endemics are spread among five communities.

Of the 15 native Louisiana species occurring only in Caddo Parish, 8 occur in xeric sandylands, once again pinpointing this habitat/community as unique.

Since two communities account for the majority of rare and endemic species in Caddo Parish, perhaps some comments on these communities is desirable.

Xeric sandylands are found in eastern Texas, southeastern Oklahoma, southwestern Arkansas, and western Louisiana (McBryde 1933; MacRoberts & MacRoberts 1994, 1995,

TABLE 1. Rare plants/community associations for Caddo Parish.

Community	Number of Rare Plants	Percentage
Xeric sandyland	27	36
Calcareous Prairie	12	16
Saline Prairie	10	14
Pine-Hardwood Forest	8	11
Calcareous Forest	5	7
Baygall	3	4
Swamp	3	4
Small Stream Forest	2	3
Batture Forest	1	1
Unknown	3	4
Total	74	100

TABLE 2. Endemic West Gulf Coastal Plain plant species with community associations for Caddo Parish.

Community	Number of Endemic Plants	Percentage
Xeric sandyland	29	64
Baygall	4	9
Calcareous Prairie	3	7
Pine-Hardwood Forest	2	4
Floodplain/Bottomland	2	4
Mayhaw Pond	2	4
Small Stream Forest	1	2
Barrens	1	2
Unknown	1	2
Total	45	100

1996, 1997; B.R. MacRoberts et al. 2002; Diggs et al. 2006). They are open to sparsely wooded areas that typically occur on terraces or ridges composed of deep sands, generally of marine Tertiary origin. Water and air move through these sands creating a dry, desert-like environment. Soils, where undisturbed, are often cryptogamic. Lichens (e.g., *Cladonia* spp.) may be common. *Quercus incana* is common, but stunted *Q. stellata* and *Q. margarettiae* are also present. Other characteristic species include *Bulbostylis ciliatifolia*, *Cnidocolus texanus*, *Coreopsis intermedia*, *Croton argyranthemus*, *Eriogonum longifolium*, *E. multifolium*, *Froelichia floridana*, *Hymenopappus artemisiifolius*, *Matelea cynanchoides*, *Mirabilis albida*, *Opuntia humifusa*, *Paronychia drummondii*, *Pediomelum digitatum*, *P. hypogaeum*, *Penstemon murrayanus*, *Phlox drummondii*, *Polygonella americana*, *Selaginella arenicola*, *Streptanthus hyacinthoides*, *Talinum rugospermum*, *Tetragonotheca ludoviciana*, *Thelesperma filifolium*, *Tradescantia reverchonii*, *Yucca louisianensis*, and *Zornia bracteata*. Floristic richness is high in this community. Although widespread, xeric sandylands are not a dominant community across the West Gulf Coastal Plain and are generally found in relatively small patches. At the time of European settlement, it has been estimated that xeric sandylands accounted for less than one percent of western Louisiana (Lester et al. 2005) and, although there are no published figures, probably much less than this in either Oklahoma or Arkansas. In Texas,

TABLE 3. Native Louisiana species found only in Caddo Parish with community associations.

<i>Agalinis caddoensis</i> (community unknown)
<i>Callirhoe digitata</i> (prairie?)
<i>Callirhoe involucrata</i> (prairie?)
<i>Carex arkansana</i> (upland forest, roadside, saline prairie?)
<i>Coreopsis intermedia</i> (xeric sandyland)
<i>Dalea phleoides</i> (xeric sandyland)
<i>Dasistoma macrophylla</i> (mixed pine-hardwood forest)
<i>Helianthemum rosmarinifolium</i> (mima mounds in saline prairie)
<i>Loeflingia squarrosa</i> (xeric sandyland)
<i>Matelea cynanchoides</i> (xeric sandyland)
<i>Pediomelum digitatum</i> (xeric sandyland)
<i>Prunus gracilis</i> (xeric sandyland)
<i>Talinum rugospermum</i> (xeric sandyland)
<i>Thelesperma filifolium</i> (xeric sandyland)
<i>Trillium pusillum</i> (baygall)

especially along the Carrizo formation, xeric sandylands were common, but for the whole of this region this community is unlikely to have amounted to more than 5 percent of the area. Today, most xeric sandylands have been destroyed. Again figures are not available, but probably less than 5 to 10 percent of the original remain in any natural condition. Most of this community has been converted to pine plantations, grazing land, and watermelon patches. In Caddo Parish, it is decidedly rare and is found only in the northern part of the parish near Mira, Ida, Rodessa, and Vivian. Over the last twenty years, we have watched considerable acreage of this community vanish under cultivation, urban sprawl, and habitat deterioration caused by fire suppression (MacRoberts & MacRoberts 1995, 1998). Generally speaking, therefore, it represents a minor community by area but is an important community because of endemism and locally rare species.

Calcareous prairies were once widespread across the West Gulf Coastal Plain (MacRoberts et al. 2003; MacRoberts & MacRoberts 2004a; Lester et al. 2005). Virtually none of this community is left today and none in Caddo Parish although prairies were once fairly common not only in the uplands, but on the floodplain as well (MacRoberts et al. 1997; MacRoberts & MacRoberts 2004b). While prairies were common in central Texas (Diggs et al. 1999), far less than one percent of Louisiana (or Caddo Parish) was ever prairie land (MacRoberts et al. 2003; MacRoberts & MacRoberts 2004a). Today, Louisiana prairies can be counted only in the tens to hundreds of hectares.

Another community that deserves mention because of its rareness is saline prairie. This community occurs in several places in the West Gulf Coastal Plain (McInnis et al. 1993; Keith et al. 2004; Lester et al. 2005). It has received some attention because *Geocarpon minimum*, which is listed as federally threatened, occurs in it. In Caddo Parish, there are two known saline prairies. One, about 0.5 ha, was discovered by Overby (1974); the other, a prairie of 11 ha, was found in 2005 by C. Reid of the Louisiana Natural Heritage Program (Barron Road Saline Prairie). Overby found *Talinum parviflorum* in the prairie she located. We examined the Overby prairie several times, and relocated *Talinum*, but the last time we visited the site in March 2006, it had nearly been destroyed by all-terrain vehicles (ATVs). Barron Road Prairie is also damaged by ATVs.

Saline prairie is mostly treeless (mima mounds may be present), with many open soil areas known as "slicks" with cryptogamic, high sodium soils, and sparse vegetation.

Characteristic plants include *Anagallis minima*, *Claytonia virginica*, *Crassula aquatica*, *Eragrostis lugens*, *Evolvulus sericeus*, *Houstonia micrantha*, *Houstonia pusilla*, *Houstonia rosea*, *Krigia occidentalis*, *Lepuropetalon spathulatum*, *Plantago pusilla*, and *Sporobolus vaginiflorus*. Ten Louisiana and one globally rare species have been located at the Barron Road Saline Prairie. These are *Cooperia drummondii*, *Geocarpon minimum*, *Gratiola flava*, *Helianthemum rosmarinifolium*, *Lotus unifoliolatus*, *Minuartia drummondii*, *Minuartia muscorum*, *Phacelia glabra*, *Schoenolirion wrightii*, and *Talinum parviflorum*.

The two surviving plant collections from the 1806 Freeman-Custis' Red River Expedition are *Eustoma russellianum* (Hook.) G. Don and *Veronicastrum virginicum* (L.) Farw. (Flores 1984; MacRoberts & MacRoberts 2004b). *Eustoma russellianum* does not occur anywhere in the region today, and *Veronicastrum virginicum* is very rare in the region and has not been found in Caddo or Bossier parishes since Custis' original collection. We have noted this same pattern with subsequent early collectors in the area. Pennell found the only species endemic to Caddo Parish—*Agalinis caddoensis*—near Shreveport in 1913; it has not been found since. Hale, Cocks, Peterson, Correll, Palmer, and other early collectors found species in the area that are either very rare today or entirely missing (e.g., *Buchloe dactyloides*, *Dasistoma macrophylla*, *Gratiola flava*, *Helianthus occidentalis*, *Helianthus petiolaris*, *Onosmodium bejariense*, *Panicum flexile*, *Prosopis glandulosis*, *Sophora affinis*, and *Taenidia integerrima*). This suggests that in the last two centuries, a great deal of the original habitat has been lost and that the flora was once richer in native species than it is today.

VOUCHERED CHECKLIST OF VASCULAR PLANTS

The following is a vouchered list of the vascular plants for Caddo Parish. We list one voucher for each species. Key to vouchers: **DTM** = D.T. MacRoberts. Unless otherwise stated, his specimens are at LSUS. **RDT** = R. Dale Thomas. Unless otherwise stated, his specimens are at NLU. **MM** = B.R. and M.H. MacRoberts. Unless otherwise stated, their specimens are at LSUS. **Raymond** = Larry R. Raymond. The herbarium where his specimens are located is always given. **Hardy** = L.M. Hardy. His specimens are at LSUS. **Haynes** = Robert Haynes. His specimens are at LSUS. **Barbour** = Philip Barbour. His specimens are at LSUS unless otherwise stated. Other collectors are given full citations. An * (asterisk) indicates a non-native species.

PTERIDOPHYTES

ASPLENIACEAE

Asplenium platyneuron (L.) B.S.P.; DTM 829

AZOLLACEAE

Azolla caroliniana Willd.; MM 5935

BLECHNACEAE

Woodwardia areolata (L.) T. Moore; DTM 1546

Woodwardia virginica (L.) Sm.; RDT 33699

DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn; DTM 898

DRYOPTERIDACEAE

Athyrium filix-femina (L.) Roth; DTM 1221

**Cyrtomium falcatum* (L.f.) K. Presl; DTM 113 (questionably naturalized)

Onoclea sensibilis L.; DTM 950

Polystichum acrostichoides (Michx.) Schott; DTM 2197

Woodsia obtusa (Spreng.) Torr.; DTM 835

EQUISETACEAE

Equisetum hyemale L.; Barbour 932

Equisetum × ferrissii Clute; DTM 1700

ISOETACEAE

Isoetes melanopoda Gay & Durieu ex Durieu; RDT 89029

LYGODIACEAE

**Lygodium japonicum* (Thunb. ex Murr.) Sw.; DTM 1090

OPHIOGLOSSACEAE

Botrychium biternatum (Sav.) Underwood; DTM 2012

Botrychium dissectum Spreng.; Raymond 1600 NLU

Botrychium lunarioides (Michx.) Sw.; RDT 148118

Botrychium virginianum (L.) Sw.; DTM 2222

Ophioglossum crotalophoroides Walt.; MM 6062

Ophioglossum engelmannii Prantl; RDT 34526 LSU

Ophioglossum nudicaule L.f.; RDT 51996

Ophioglossum petiolatum Hook.; RDT 33845 LSU

Ophioglossum vulgatum L.; MM 154

OSMUNDACEAE

Osmunda cinnamomea L.; DTM 2156

Osmunda regalis L.; DTM 2157

POLYPODIACEAE

Pleopeltis polypodioides (L.) Andrews & Windham; DTM 949

SELAGINELLACEAE

Selaginella arenicola Underwood; MM 2840

THELYPTERIDACEAE

Thelypteris kunthii (Desv.) Morton; DTM 1734

Thelypteris palustris Schott; DTM 1212

GYMNOSPERMS

CUPRESSACEAE

Juniperus virginiana L.; DTM 1609

Taxodium distichum (L.) L.C. Rich.; MM 6514

PINACEAE

Pinus echinata P. Mill.; MM 6199

Pinus taeda L.; MM 5982

ANGIOSPERMS

MONOCOTYLEDONS

AGAVACEAE

Manfreda virginica (L.) Salisb. ex Rose; DTM 1861

Yucca louisianensis Trel.; MM 241

ALISMATACEAE

Echinodorus cordifolius (L.) Griseb.; DTM 77

Sagittaria graminea Michx.; DTM 1315

Sagittaria latifolia Willd.; DTM 672

**Sagittaria montevidensis* Cham. & Schlecht.; DTM 1590

Sagittaria papillosa Buch.; DTM 1300

Sagittaria platyphylla (Engelm.) J.G. Sm.; DTM 1216

ARACEAE

Arisaema dracontium (L.) Schott; DTM 377

Arisaema triphyllum (L.) Schott; DTM 2153

**Colocasia esculenta* (L.) Schott; DTM 1306

Peltandra virginica (L.) Schott; DTM 2224

ARECACEAE

Sabal minor (Jacq.) Pers.; MM 190

BROMELIACEAE

Tillandsia usneoides (L.) L.; DTM 3002

BURMANNIACEAE

Burmannia biflora L.; Reid 4639 LSU (Reid, pers. comm.)

CANNACEAE

**Canna indica* L.; DTM 1855 (questionably naturalized)

COMMELINACEAE

**Commelina communis* L.; DTM 2329

Commelina diffusa Burm. f.; DTM 1408

Commelina erecta L.; DTM 141

Commelina virginica L.; DTM 486

Tradescantia hirsutiflora Bush; DTM 855

Tradescantia occidentalis (Britt.) Smyth; DTM 473

Tradescantia ohiensis Raf.; DTM 1693

Tradescantia reverchonii Bush; DTM 1715

CYPERACEAE

Bulbostylis capillaris (L.) Kunth ex C.B. Clarke; RDT 155761

Bulbostylis ciliatifolia (Ell.) Fern.; MM 2833

Carex albicans Willd. ex Spreng.; Raymond 1722 NLU

Carex albolutescens Schwein.; Hyatt 8580 LSU

Carex arkansana (Bailey) Bailey; Thieret 25936 LAF

Carex atlantica Bailey; RDT 95343 LSU

Carex austriacina Mackenzie; RDT 99527

Carex blanda Dewey; RDT 170061

Carex caroliniana Schwein.; MM 7389

Carex cherokeensis Schwein.; DTM 1736

Carex complanata Torr. & Hook.; Barbour 990

Carex crebriflora Wieg.; Raymond 1234 NLU

Carex crinita Lam.; DTM 2231

Carex crus-corvi Shuttlew. ex Kunze; DTM 1353

Carex debilis Michx.; RDT 95345

Carex decomposita Muhl.; MM 7429

Carex festucacea Schkuhr ex Willd.; Thieret 22620 LAF

Carex flaccosperma Dewey; Raymond 1213 LSUS

Carex frankii Kunth; DTM 1281

Carex glaucescens Ell.; Raymond 1359 LSU

Carex glaucoidea Tuckerman ex Olney; RDT 99544

Carex hyalina Boott; MM 3126

Carex hyalinolepis Steud.; Raymond 1430 NLU

Carex intumescens Rudge; Barbour 979

Carex jorii Bailey; RDT 167047

Carex leavenworthii Dewey; MM 6021

Carex leptalea Wahl.; Reid 4864 LSU (Reid, pers. comm.)

Carex louisianica Bailey; DTM 1237

Carex lupulina Muhl. ex Willd.; DTM 2352

Carex lurida Wahlenb.; DTM 1236

Carex meadii Dewey; MM 2525

Carex muehlenbergii Schkuhr ex Willd.; RDT 88719

Carex nigromarginata Schwein.; Haynes 5697

Carex oxylepis Torr. & Hook.; Barbour 983

Carex planispicata Naczi; Raymond 1677 NLU

Carex reniformis (Bailey) Small; Raymond 1214 NLU

Carex retroflexa Muhl. ex Willd.; MM 6174

Carex styloflexa Buckl.; DTM 1640

Carex texensis (Torr.) Bailey; RDT 88223

Carex triangularis Boeckl.; RDT 99524

Carex tribuloides Wahlenb.; RDT 170062

Carex vulpinoidea Michx.; DTM 1349

Cyperus acuminatus Torr. & Hook. ex Torr.; DTM 2332

Cyperus compressus L.; RDT 32983

Cyperus croceus Vahl; MM 6834

- **Cyperus difformis* L.; MM 6993
Cyperus echinatus (L.) Wood.; DTM 1931
Cyperus erythrorhizos Muhl.; Haynes 5430
Cyperus esculentus L.; MM 6857
Cyperus filiculmis Vahl; RDT 170174 (Ferguson, pers. comm.)
Cyperus flavescens L.; C.E. DePoe 6652-1 NLU (Ferguson, pers. comm.)
Cyperus flavicomus Michx.; Shireman 57 LSU
 **Cyperus iria* L.; DTM 1444
Cyperus odoratus L.; MM 6983
Cyperus oxylepis Nees ex Steud.; RDT 37207
Cyperus plukenetii Fern.; Lynch 2639 LSUS
Cyperus polystachyos Rottb.; Lynch 2674 LSUS
Cyperus pseudovegetus Steud.; RDT 166992 (Ferguson, pers. comm.)
Cyperus retroflexus Buckl.; MM 2725
Cyperus retrorsus Chapm.; MM 6630
 **Cyperus rotundus* L.; DTM 1361
Cyperus strigosus L.; RDT 45424 (Ferguson, pers. comm.)
Cyperus virens Michx.; Overby 85 NLU (Ferguson, pers. comm.)
Eleocharis acicularis (L.) Roemer & J.A. Schultes; DTM 1458
Eleocharis obtusa (Willd.) J.A. Schultes; DTM 1238
Eleocharis palustris (L.) Roemer & J.A. Schultes; MM 6429
Eleocharis parvula (Roemer & J.A. Schultes) Link; Barbour 498
Eleocharis tortilis (Link) J. A. Schultes; RDT 33624
Eleocharis tuberculosa (Michx.) Roemer & J.A. Schultes; RDT 36268
Fimbristylis autumnalis (L.) Roemer & J.A. Schultes; DTM 1567
Fimbristylis miliacea (L.) Vahl; DTM 1542
Fimbristylis puberula (Michx.) Vahl; Raymond 2147 LSUS
Fimbristylis tomentosa Vahl; DTM 1528
Fimbristylis vahlii (Lam.) Link; DTM 1512
Fuirena simplex Vahl; MM 6673
Fuirena squarrosa Michx.; RDT 140688
Isolepis carinata Hook. & Arn. ex Torr.; DTM 2829
Isolepis molesta (M.C. Johnston) S.G. Sm.; Shinnars 28087 BRIT
Kyllinga brevifolia Rottb.; DTM 1928
Kyllinga odorata Vahl; DTM 1314
Kyllinga pumila Michx.; RDT 32974
Lipocarpa micrantha (Vahl) G. Tucker; Shireman 56 LSU
Rhynchospora caduca Ell.; Raymond 2028 LSUS
Rhynchospora corniculata (Lam.) A. Gray; DTM 1113
Rhynchospora glomerata (L.) Vahl; Barbour 494
Rhynchospora harveyi W. Boott; MM 7427
Rhynchospora inexpansa (Michx.) Vahl; Haynes 5352
Scirpus atrovirens Willd.; Allen 7975 NO
Scirpus cyperinus (L.) Kunth; DTM 1448
Scleria ciliata Michx.; RDT 11904
Scleria oligantha Michx.; Allen 3766 LAF
Scleria pauciflora Muhl. ex Willd.; Allen 9879 LAF
Scleria triglomerata Michx.; RDT 92403
Websteria confervoides (Poir.) S. Hooper; Barbour 495 LSU
- DIOSCOREACEAE**
Dioscorea villosa L.; DTM 1288
- HYDROCHARITACEAE**
 **Egeria densa* Planch.; Barbour 483
Limnobium spongia (Bosc) L.C. Rich. ex Steud.; Haynes 5342
- IRIDACEAE**
Alophia drummondii (Graham) R.C. Foster; DTM 1762
Herbertia lahue (Molina) Goldblatt; MM 198
Iris brevicaulis Raf.; Raymond 2094 LSUS
Iris fulva Ker-Gawl.; French s.n. NLU
Iris giganteaerulea Small; Overby 192 NLU
 **Iris pallida* Lam.; Laborde 44 LSUS
 **Iris pseudacorus* L.; MM 172
Iris virginica L.; DTM 2291
Nemastylis geminiflora Nutt.; DTM 369
Sisyrinchium angustifolium P. Mill.; DTM 415
Sisyrinchium atlanticum Bickn.; DTM 340
Sisyrinchium langloissii Greene; MM 2558
Sisyrinchium minus Engelm. & A. Gray; Thieret 25939 LAF
Sisyrinchium rosulatum Bickn.; DTM 866
- JUNCACEAE**
Juncus acuminatus Michx.; RDT 81369
Juncus brachycarpus Engelm.; DTM 1112
Juncus bufonius L.; MM 6445
 **Juncus capitatus* Weigel; RDT 128670 LSU
Juncus coriaceus Mackenzie; DePoe 6650 NLU
Juncus dichotomus Ell.; DTM 1272
Juncus diffusissimus Buckl.; DTM 1234
Juncus dudleyi Wieg.; RDT 81373
Juncus effusus L.; DTM 1244
Juncus marginatus Rostk.; DTM 1235
Juncus nodatus Coville; Raymond 1241 NLU
Juncus polycephalus Michx.; RDT 629
Juncus repens Michx.; RDT 136859
Juncus scirpoides Lam.; RDT 33633
Juncus tenuis Willd.; DTM 1163
Juncus torreyi Coville; RDT 128675
Juncus validus Coville; DTM 1269
Luzula bulbosa (Wood) Smyth & Smyth; Haynes 4568
- LEMNACEAE**
Lemna aequinoctialis Welw.; Overby 86 NLU
Lemna minor L.; Haynes 4220
Lemna valdiviana Phil.; Haynes 4157
Spirodela polyrrhiza (L.) Schleid.; Haynes 4155
Spirodela punctata (G.F.W.Mey.) C.H. Thompson; Haynes 4221
Wolffia brasiliensis Weddell; Haynes 4154
Wolffia columbiana Karst.; Overby 227 NLU
Wolffiella gladiata (Hegelme.) Hegelm.; Haynes 4153

LILIACEAE

- Allium canadense* L.; DTM 3058
 **Asparagus officinalis* L.; MM s.n (questionably naturalized).
Camassia scilloides (Raf.) Cory; DTM 3015
Cooperia drummondii Herbert; MM 2914
Erythronium albidum Nutt.; DTM 2126
Habranthus tubispathus (L'Her.) Traub.; MM 262
 **Hemerocallis fulva* (L.) L.; DTM 1723 (localized and persisting)
Hymenocallis caroliniana (L.) Herbert; DTM 1843
Hymenocallis liriosome (Raf.) Shinnery; DTM 853
Hypoxis hirsuta (L.) Coville; DTM 343 (includes *H. rigida* Chapman)
 **Narcissus pseudonarcissus* L.; Barbour 559 (localized and persisting)
Nothoscordum bivalve (L.) Britt.; DTM 250
 **Nothoscordum inodorum* (Aiton) Nichols; DTM 1675
 **Ornithogalum umbellatum* L.; DTM 3014
Polygonatum biflorum (Walt.) Ell.; DTM 674
Schoenolirion wrightii Sherman; MM 7291
Stenanthium gramineum (Ker-Gawl.) Morong; DTM 1811
Trillium recurvatum Beck; MM 144
Trillium pusillum Michx.; DTM 2185
Uvularia sessilifolia L.; DTM 2617
 **Zephyranthes candida* (Lindl.) Herbert; Barbour 467
Zigadenus nuttallii (Gray) S. Wats.; DTM 861

NAJADACEAE

- Najas guadalupensis* (Spreng.) Magnus; DTM 1522

ORCHIDACEAE

- Corallorhiza wisteriana* Conrad; DTM 1123
Habenaria repens Nutt.; Raymond 1947 LSUS
Isotria verticillata Raf.; DTM 2281
Listera australis Lindl.; DTM 2162
Malaxis unifolia Michx.; RDT 43537
Platanthera ciliaris (L.) Lindl.; RDT 42439
Platanthera clavellata (Michx.) Luer; MM 256
Platanthera flava (L.) Lindl.; Raymond 1483 NLU
Platanthera lacera (Michx.) G. Don; DTM 1759
Spiranthes cernuus (L.) L.C.Rich.; MM 278
Spiranthes lacera (Raf.) Raf.; Overby 262 NLU
Spiranthes laciniata (Small) Ames; DTM 2013
Spiranthes odorata (Nutt.) Lindl.; Haynes 5426
Spiranthes ovalis Lindl.; DTM 1856
Spiranthes praecox (Walt.) S. Wats.; DTM 2313 LSU
Spiranthes tuberosa Raf.; DTM 546
Spiranthes vernalis Engelm. & A.Gray; DTM 903
Tipularia discolor (Pursh) Nutt.; Givens 3557 LSU
Triphora trianthophora (Sw.) Rydb.; Raymond 1529 NLU

POACEAE

- Agrostis elliottiana* J.A. Schultes; DTM 1632
 **Agrostis gigantea* Roth; DTM 1268
Agrostis hyemalis (Walt.) B.S.P.; DTM 2029
Agrostis perennans (Walt.) Tuckerman; DTM 1416

- Agrostis stolonifera* L.; DTM 1309
 **Aira caryophylla* L.; DTM 3059
 **Aira elegans* Willd. ex Kunth; DTM 1659
Alopecurus carolinianus Walt.; DTM 2603
Andropogon gerardii Vitman; DTM 1458
Andropogon glomeratus (Walt.) B.S.P.; DTM 1498
Andropogon ternarius Michx.; DTM 1534
Andropogon virginicus L.; DTM 1483
 **Anthoxanthum aristatum* Boiss.; DTM 1742
Aristida desmantha Trin. & Rupr.; MM 2892
Aristida dichotoma Michx.; DTM 2004
Aristida lanosa Muhl. ex Ell.; MM 2928
Aristida longespica Poir.; DTM 1563
Aristida oligantha Michx.; MM 2893
Aristida purpurascens Poir.; DTM 1468
Arundinaria gigantea (Walt.) Muhl.; DTM 2193
 **Arundo donax* L.; DTM 1569
 **Avena fatua* L.; DTM 1732
 **Avena sativa* L.; DTM 2615
Axonopus fissifolius (Raddi) Kuhl.; DTM 1264
 **Bothriochloa ischaemum* (L.) Keng; RDT 68561
Bothriochloa languroides (DC.) Herter; DTM 1382
Bothriochloa longipaniculata (Gould) Allred & Gould; DTM 2079
Bothriochloa springfieldii (Gould) Parodi; Thieret 24481 LAF
 **Briza minor* L.; DTM 1656
 **Bromus catharticus* Vahl; DTM 2298
 **Bromus diandrus* Roth; RDT 65106 LSU
 **Bromus japonicus* Thunb. ex Murr.; DTM 1321
 **Bromus lanceolatus* Roth; DTM 1770
Bromus pubescens Muhl. ex Willd.; DTM 1688
 **Bromus racemosus* L.; DTM 1699
 **Bromus secalinus* L.; DTM 1322
 **Bromus tectorum* L.; DTM 2192
Buchloe dactyloides (Nutt.) Engelm.; Snyder s.n.US
Cenchrus spinifex Cav.; MM 2813
Chasmanthium latifolium (Michx.) Yates; DTM 1735
Chasmanthium laxum (L.) Yates; DTM 1384
Chasmanthium sessiliflorum (Poir.) Yates; DTM 2557
Chloris virgata Sw.; DTM 1320
 **Cynodon dactylon* (L.) Pers.; Haynes 4237
 **Cynosurus echinatus* L.; DTM 1773
 **Dactylis glomerata* L.; DTM 1816
 **Dactyloctenium aegyptium* (L.) Willd.; Overby 121 NLU
Danthonia spicata (L.) Beauv. ex Roemer & J.A. Schultes; DTM 1655
Dichantherium aciculare (Desv. ex Poir.) Gould & C.A. Clark; DTM 1671
Dichantherium acuminatum (Sw.) Gould & C.A. Clark; DTM 1210.
Dichantherium boscii (Poir.) Gould and C.A. Clark; DTM 1408
Dichantherium commutatum (J.A. Schultes) Gould; DTM 1241

- Dichanthelium depauperatum* (Muhl.) Gould; Lewis 3490 NLU
- Dichanthelium dichotomum* (L.) Gould; DTM 1182
- Dichanthelium laxiflorum* (Lam.) Gould; DTM 1239
- Dichanthelium linearifolium* (Scribn.ex Nash) Gould; Allen 5062 LAF
- Dichanthelium oligosanthes* (J.A. Schultes) Gould; MM 2617
- Dichanthelium ovale* (Ell.) Gould & C.A. Clark; Lewis 3585 NLU
- Dichanthelium polyanthes* Schult.; MM 6491
- Dichanthelium ravenelii* (Scribn. & Merr.) Gould; DTM 1375
- Dichanthelium scoparium* (Lam.) Gould; DTM 1403
- Dichanthelium sphaerocarpon* (Ell.) Gould; DTM 1274
- Digitaria ciliaris* (Retz.) Koel.; DTM 1414
- Digitaria cognata* (J.A. Schultes) Pilger; DTM 1527
- Digitaria filiformis* (L.) Koel.; DTM 1544
- **Digitaria ischaemum* (Schreb.) Schreb. ex Muhl.; DTM 1518
- **Digitaria violascens* Link; DTM 1379
- **Echinochloa colona* (L.) Link; DTM 1231
- **Echinochloa crus-galli* (L.) Beauv.; Brooks 277 LSU
- Echinochloa muricata* (Beauv.) Fern.; MM 6854
- Echinochloa walteri* (Pursh) Heller; DTM 2553
- **Eleusine indica* (L.) Gaertn.; DTM 1596
- Elymus virginicus* L.; DTM 2999
- **Eragrostis cilianensis* (All.) Vign. ex Janchen.; DTM 1420
- **Eragrostis curvula* (Schrad.) Nees; DTM 2312
- Eragrostis hirsuta* (Michx.) Nees; MM 2927
- Eragrostis hypnoides* (Lam.) B.S.P.; DTM 1479
- **Eragrostis japonica* (Thunb.) Trin; DTM 2706
- Eragrostis lugens* Nees; DTM 1643
- **Eragrostis minor* Host; DTM 1377
- **Eragrostis pilosa* (L.) Beauv.; DTM 1510
- Eragrostis refracta* (Muhl.) Scribn.; DTM 1997
- Eragrostis reptans* (Michx.) Nees; DTM 1986
- Eragrostis secundiflora* J.Presl; DTM 1803
- Eragrostis spectabilis* (Pursh) Steud.; MM 2917
- Eragrostis trichodes* (Nutt.) Wood; MM 2918
- **Eremochloa ophiuroides* (Monro) Hack.; DTM 1363
- Eriochloa acuminata* (J. Presl) Kunth; DTM 1971
- Eriochloa contracta* A.S. Hitchc.; DTM 1481
- Festuca paradoxa* Desv.; DTM 1277
- Glyceria arkansana* Fern.; DTM 2327
- Gymnopogon ambiguus* (Michx.) B.S.P.; DTM 1489
- **Holcus lanatus* L.; DTM 1346
- Hordeum pusillum* Nutt.; DTM 1621
- Leersia lenticularis* Michx.; Haynes 5422
- Leersia oryzoides* (L.) Sw.; DTM 1488
- Leersia virginica* Willd.; DTM 1359
- Leptochloa fusca* (L.) Kunth; DTM 1325
- Leptochloa panicea* (Retz.) Ohwi; MM 6767
- Leptochloa panicoides* (J. Presl) A.S. Hitchc.; DTM 1985
- **Lolium arundinaceum* (Schreb.) S.J. Derbyshire; DTM 1391
- **Lolium perenne* L.; DTM 1187
- **Lolium temulentum* L.; DTM 1673
- Luziola fluitans* (Michx.) Terrell & Robins.; DTM 1549
- Melica mutica* Walt.; DTM 1614
- Muhlenbergia schreberi* J.F. Gmel.; DTM 1424
- Nassella leucotricha* (Trin. & Rupr.) Pohl; DTM 3050
- Oplismenus hirtellus* (L.) Beauv.; DTM 1305
- Panicum anceps* Michx.; DTM 1335
- Panicum brachyanthum* Steud.; DTM 1998
- Panicum capillare* L.; DTM 1511
- Panicum dichotomiflorum* Michx.; DTM 1386
- Panicum flexile* (Gattinger) Scribn.; Correll & Correll 10097 LSU
- Panicum gymnocarpon* Ell.; Haynes 5425
- Panicum hemitomon* J.A. Schultes; RDT 140681
- Panicum rigidulum* Bosc. ex Nees; DTM 1395
- Panicum verrucosum* Muhl.; DTM 1529
- Panicum virgatum* L.; DTM 1413
- **Paspalum dilatatum* Poir.; DTM 1191
- Paspalum dissectum* (L.) L.; Haynes 4089
- Paspalum distichum* L.; DTM 1970
- Paspalum floridanum* Michx.; DTM 1389
- Paspalum laeve* Michx.; DTM 1374
- Paspalum langei* (Fourn.) Nash; DTM 1366
- **Paspalum notatum* Fluegge; DTM 1262
- Paspalum plicatulum* Michx.; DTM 1249
- Paspalum pubiflorum* Rupr. ex Fourn.; DTM 1586
- Paspalum repens* Berg.; RDT 32947
- Paspalum setaceum* Michx.; DTM 1422
- **Paspalum urvillei* Steud.; DTM 1240
- Phalaris caroliniana* Walt.; DTM 2628
- **Phleum pratense* L.; RDT 65054
- **Phyllostachys aurea* Carr ex A. Riv. & C. Riv.; MM 7244
- Piptochaetium avenaceum* (L.) Parodi; DTM 2297
- **Poa annua* L.; DTM 1177
- Poa autumnalis* Muhl. ex Ell.; DTM 2186
- Poa pratensis* L.; Thieret 22666 LAF
- **Polypogon monspeliensis* (L.) Desf.; RDT 66455 LSU
- Saccharum alopecuroidum* (L.) Nutt.; MM 2959
- Saccharum baldwinii* Spreng.; RDT 37271
- Saccharum brevibarbe* (Michx.) Pers.; DTM 1469
- Saccharum giganteum* (Walt.) Pers.; DTM 1536
- Sacciolepis striata* (L.) Nash; DTM 1431
- Schedonnardus paniculatus* (Nutt.) Trel.; DTM 2627
- Schizachyrium scoparium* (Michx.) Nash; DTM 1533
- **Secale cereale* L.; DTM 2232
- **Setaria faberi* Herrm.; RDT 119026
- Setaria parviflora* (Poir.) Kerguelen; MM 2055
- **Setaria pumila* (Poir.) Roemer & J.A. Schultes; DTM 1573
- **Setaria viridis* (L.) Beauv.; RDT 45434
- Sorghastrum elliottii* (Mohr) Nash; MM 2931
- Sorghastrum nutans* (L.) Nash; DTM 2005
- **Sorghum bicolor* (L.) Moench; DTM 1411
- **Sorghum halepense* (L.) Pers.; Haynes 4228
- Sphenopholis intermedia* (Rydb.) Rydb.; RDT 88229
- Sphenopholis nitida* (Biehler) Scribn.; DTM 1626

- Sphenopholis obtusata* (Michx.) Scribn.; DTM 2632
Sporobolus clandestinus (Biehler) A.S. Hitchc.; RDT 37044
Sporobolus compositus (Poir) Merr.; DTM 1579
Sporobolus cryptandrus (Torr.) A. Gray; DTM 1578
Sporobolus indicus (L.) R.Br.; DTM 1922
Sporobolus junceus (Beauv.) Kunth; DTM 1515
Sporobolus pyramidatus (Lam.) Hitchc.; MM 7277
Sporobolus vaginiflorus (Torr. ex Gray) Wood; RDT 37396
 LSU
Steinchisma hians (Ell.) Nash; DTM 1745
Stenotaphrum secundatum (Walt.) Kuntze; DTM 1308
Tridens ambiguus (Ell.) J.A. Schultes; DTM 1473
Tridens flavus (L.) A.S. Hitchc.; MM 2915 (includes *Tridens chapmanii* (Small) Chase)
Tridens strictus (Nutt.) Nash; Raymond 1136 LSUS
Triplasis purpurea (Walt.) Chapman; MM 2932
Tripsacum dactyloides (L.) L.; DTM 1365
Trisetum interruptum Buckl.; Allen 3774 NLU
 **Triticum aestivum* L.; DTM 2645
Urochloa platyphylla (Monro ex Wright) R.Webster; DTM 1378
 **Urochloa ramosa* (L.) Nguyen; DTM 1362
Urochloa texana (Buckl.) R.Webster; Kalmback-Burkett Co. s.n. LSU
 **Vulpia bromoides* (L.) S.F. Gray; DTM 1228
 **Vulpia myuros* (L.) K.C. Gmel.; DTM 1650
Vulpia octoflora (Walt.) Rydb.; DTM 2226
Vulpia sciurea (Nutt.) Henr.; MM 2537
Zizaniopsis miliacea (Michx.) Doell. & Aschers.; DTM 1158

PONTEDERIACEAE

- **Eichhornia crassipes* (Mart.) Solms; DTM 240
Pontederia cordata L.; DTM 88

POTAMOGETONACEAE

- Potamogeton nodosus* Poir.; Barbour 519
Potamogeton pusillus L.; DTM 1521

SMILACACEAE

- Smilax bona-nox* L.; DTM 970
Smilax glauca Walt.; DTM 119
Smilax laurifolia L.; Gebelein 25 LSUS
Smilax rotundifolia L.; DTM 959
Smilax smallii Morong; RDT 155720
Smilax tamnoides L.; RDT 32815

SPARAGANIACEAE

- Sparganium americanum* Nutt.; DTM 1830

TYPHACEAE

- Typha domingensis* Pers.; DTM 1758
Typha latifolia L.; DTM 1299

XYRIDACEAE

- Xyris caroliniana* Walt.; Barbour 1099
Xyris jupicai L.C. Rich.; MM 263

DICOTYLEDONS**ACANTHACEAE**

- Dicliptera brachiata* (Pursh) Spreng.; DTM 227
Justicia ovata (Walt.) Lindau; DTM 688
 **Ruellia brittoniana* Leonard; RDT 42038
Ruellia caroliniensis (J.F. Gmel.) Steud.; DTM 64
Ruellia humilis Nutt.; DTM 87
Ruellia pedunculata Torr. ex Gray; DTM 447

ACERACEAE

- Acer barbatum* Michx.; RDT 166956
Acer negundo L.; Haynes 4146
Acer rubrum L.; Haynes 4583
Acer saccharinum L.; Clark 2 LSU
Acer saccharum Marsh.; Graham 417 LSUS

AIZOACEAE

- Sesuvium maritimum* (Walt.) B.S.P.; Thieret 26136 LAF
Trianthema portulacastrum L.; DTM 174

AMARANTHACEAE

- **Alternanthera philoxeroides* (Mart.) Griseb.; DTM 84
Amaranthus albus L.; RDT 66465 LSU
Amaranthus arenicola I.M. Johnston; RDT 59959
Amaranthus hybridus L.; DTM 1967
Amaranthus palmeri S.Wats.; DTM 1964
 **Amaranthus retroflexus* L.; RDT 76695
Amaranthus rudis Sauer; DTM 1965
Amaranthus spinosus L.; DTM 924
Amaranthus viridis L.; MM 6978
Froelichia floridana (Nutt.) Moq.; DTM 1793
Froelichia gracilis (Hook.) Moq.; RDT 76696

ANACARDIACEAE

- Rhus aromatica* Aiton; DTM 2181
Rhus copallinum L.; DTM 1924
Rhus glabra L.; RDT 33565
Toxicodendron radicans (L.) Kuntze; Haynes 4140

ANNONACEAE

- Asimina parviflora* (Michx.) Dunal; RDT 80926
Asimina triloba (L.) Dunal; Hardy 8685

APIACEAE

- Ammoselinum butleri* (Enelm. ex S.Wats.) Coult. & Rose; RDT 88289
Bowelsia incana Ruiz & Pavon; RDT 127180
 **Bupleurum rotundifolium* L.; RDT 76689
Chaerophyllum tainturieri Hook.; DTM 287
 **Ciclospermum leptophyllum* (Pers.) Sprague ex Britt. & Wilson; Haynes 5777
Cicuta maculata L.; Graham 575 LSUS
 **Conium maculatum* L.; DTM 1009
Cryptotaenia canadensis (L.) DC.; RDT 25312
Cynoscadium digitatum DC.; DTM 1190
 **Daucus carota* L.; DTM 649
Daucus pusillus Michx.; MM 2653
Eryngium hookeri Walp.; DTM 143
Eryngium prostratum Nutt. ex DC.; Haynes 4109

Eryngium yuccifolium Michx.; DTM 142
 **Falcaria vulgaris* Bernh.; RDT 88299
Hydrocotyle ranunculoides L.f.; DTM 1097
Hydrocotyle umbellata L.; DTM 1787
Hydrocotyle verticillata Thunb.; DTM 75
Limnoscadium pinnatum (DC.) Mathias & Constance;
 DTM 478
Oxypolis rigidior (L.) Raf.; RDT 80922
Polytaenia nuttallii DC.; DTM 549
Ptilimnium capillaceum (Michx.) Raf.; DTM 1022
Ptilimnium costatum (Ell.) Raf.; RDT 128660
Ptilimnium nuttallii (DC.) Britt.; Raymond 770 LSUS
Sanicula canadensis L.; DTM 1040
Sanicula odorata (Raf.) K.M. Pryer & L.R. Phillippe; RDT
 33075
Sanicula smallii Bickn.; RDT 170095
Spermolepis divaricata (Walt.) Raf. ex Ser.; DTM 2285
Spermolepis echinata (Nutt. ex DC.) Heller; Allen 7999
 LAF
Spermolepis inermis (Nutt. ex DC.) Mathias & Constance;
 RDT 45421
Taenidia integerrima (L.) Drude; Cocks s.n. NO
 **Torilis arvensis* (Huds.) Link; DTM 29
 **Torilis nodosa* (L.) Gaertn.; DTM 1033
 **Trepocarpus aethusae* Nutt. ex DC.; DTM 464
Zizia aurea (L.) W.D.J. Koch; Raymond 732 LSUS

APOCYNACEAE

Amsonia tabernaemontana Walt.; DTM 838
Apocynum cannabinum L.; MM 6969
Trachelosperma difforme (Walt.) A. Gray; DTM 454
 **Vinca major* L.; Barbour 290
 **Vinca minor* L.; RDT 33687

AQUIFOLIACEAE

Ilex ambigua (Michx.) Torr.; RDT 140651 LSU
Ilex decidua Walt.; Haynes 4093
Ilex opaca Aiton; Hardy 8616
Ilex vomitoria Aiton; DTM 1151

ARALIACEAE

Aralia spinosa L.; DTM 1154

ARISTOLOCHIACEAE

Aristolochia reticulata Jacq.; RDT 80871
Aristolochia serpentaria L.; RDT 119103
Aristolochia tomentosa Sims; RDT 36969

ASCLEPIADACEAE

Asclepias amplexicaulis Sm.; DTM 2294
Asclepias perennis Walt.; DTM 523
Asclepias tuberosa L.; DTM 463
Asclepias variegata L.; DTM 881
Asclepias verticillata L.; DTM 73
Asclepias viridiflora Raf.; DTM 556
Asclepias viridis Walt.; DTM 62
Cynanchum laeve (Michx.) Pers.; Hardy 6382
Matelea cynanchoides (Engelm.) Woods.; MM 2613

Matelea decipiens (Alexander) Woods.; RDT 51975
Matelea gonocarpus (Walt.) Shinnars; RDT 36994

ASTERACEAE

Achillea millefolium L.; DTM 329
Acmella oppositifolia (Lam.) R.K. Jansen; DTM 442
Ageratina altissima (L.) King & H.E. Robins.; DTM 693
Ambrosia artemisiifolia L.; DTM 925
Ambrosia psilostachya DC.; MM 7000
Ambrosia trifida L.; DTM 2711
Antennaria parlinii Fern.; Haynes 4582
 **Anthemis cotula* L.; DTM 519
Aphanostephus skirrhobasis (DC.) Trel.; DTM 1771
Arnoglossum plantagineum Raf.; DTM 407
Baccharis halimifolia L.; Hardy 6871
Berlandiera betonicifolia (Hook.) Small; DTM 1074
Berlandiera pumila (Michx.) Nutt.; DTM 997
Bidens aristosa (Michx.) Britt.; DTM 1993
Bidens bipinnata L.; Haynes 5419
Bidens discoidea (Torr. & A. Gray) Britt.; DTM 1547
Bidens frondosa L.; DTM 2024
Bidens laevis (L.) B.S.P.; DTM 1786
Boltonia diffusa Ell.; DTM 718
 **Calyptocarpus vialis* Less.; DTM 1860
 **Carduus nutans* L.; DTM 460
Chrysopsis pilosa Nutt.; MM 2720
 **Cichorium intybus* L.; MM 223
Cirsium altissimum (L.) Spreng.; DTM 543
Cirsium carolinianum (Walt.) Fern. & Schub.; DTM 840
Cirsium engelmannii Rydb.; DTM 1966 LSU
Cirsium horridulum Michx.; DTM 555
Conoclinium coelestinum (L.) DC.; DTM 639
 **Conyza bonariensis* (L.) Cronq.; Thieret 32159 LAF
Conyza canadensis (L.) Cronq.; DTM 589
Coreopsis grandiflora Hogg ex Sweet; DTM 434
Coreopsis intermedia Sherff; MM 2605
Coreopsis lanceolata L.; DTM 297
Coreopsis tinctoria Nutt.; Raymond 768 LSUS
 **Crepis pulchra* L.; DTM 842
Croptilon divaricatum (Nutt.) Raf.; DTM 592
Doellingeria sericocarpoides Small; DTM 1947
Dracopis amplexicaulis (Vahl) Cass.; DTM 60
Echinacea pallida (Nutt.) Nutt.; DTM 491 (includes *E.*
angustifolia DC. and *E. sanguinea* Nutt.)
Echinacea purpurea (L.) Moench; RDT 136864
Eclipta prostrata (L.) L.; DTM 247
Elephantopus carolinianus Raeusch.; DTM 8
Elephantopus nudatus Gray; RDT 155792
Elephantopus tomentosus L.; DTM 241
Erechtites hieracifolia (L.) Raf. ex DC.; DTM 1524
Erigeron annuus (L.) Pers.; DTM 1988
Erigeron philadelphicus L.; DTM 45
Erigeron pulchellus Michx.; Raymond 750 LSUS
Erigeron strigosus Muhl. ex Willd.; DTM 52
Erigeron tenuis Torr. & A. Gray; DTM 360
Eupatorium capillifolium (Lam.) Small; DTM 2007

- Eupatorium compositifolium* Walt.; DTM 2052
Eupatorium perfoliatum L.; DTM 206
Eupatorium rotundifolium L.; DTM 626
Eupatorium semiserratum DC.; DTM 623 (includes *E. glaucescens* Ell.)
Eupatorium serotinum Michx.; DTM 172
Eurybia hemispherica (Alexander) Nesom; DTM 705
Euthamia leptoccephala (Torr. & A. Gray) Greene; DTM 248
Evax candida (Torr. & A. Gray) A. Gray; RDT 99491 LSU
 **Facelis retusa* (Lam.) Schultz-Bip.; DTM 885
Fleischmannia incarnata (Walt.) King & H.E. Robins; RDT 33060
Gaillardia aestivalis (Walt.) H. Rock; DTM 1800
Gaillardia pulchella Foug.; DTM 660
Gamochaeta antillana (Urb.) Anderb.; DTM 400
Gamochaeta argyrinea Nesom; Strout 112 LSUS
Gamochaeta pensylvanica (Willd.) Cabrera; DTM 1751
Gamochaeta purpurea (L.) Cabrera; DTM 373
Helenium amarum (Raf.) H. Rock; DTM 24
Helenium flexuosum Raf.; DTM 27
Helianthus angustifolius L.; DTM 178
Helianthus annuus L.; Barbour 490
Helianthus divaricatus L.; DTM 1894
Helianthus grosseserratus Martens; DTM 1756
Helianthus hirsutus Raf.; DTM 231
Helianthus mollis Lam.; RDT 36295
Helianthus occidentalis Riddell; Cocks s.n. NO
Helianthus petiolaris Nutt.; Cocks s.n. NO
Helianthus strumosus L.; DTM 63
Heterotheca subaxillaris (Lam.) Britt. & Rusby; MM 2777
Hieracium gronovii L.; DTM 390
Hymenopappus artemisiifolius DC.; Barbour 1193
Hymenopappus scabiosaeus L'Her.; DTM 17
 **Hypochaeris glabra* L.; DTM 2830
Iva angustifolia Nutt. ex DC.; DTM 2077
Iva annua L.; DTM 2025
Krigia caespitosa (Raf.) Chambers; DTM 38
Krigia dandelion (L.) Nutt.; Raymond 731 LSUS
Krigia occidentalis Nutt.; DTM 317
Krigia virginica (L.) Willd.; DTM 1813
Lactuca canadensis L.; DTM 146
Lactuca floridana (L.) Gaertn.; DTM 651
Lactuca ludoviciana (Nutt.) Riddell; RDT 36155
 **Lactuca serriola* L.; DTM 450
 **Leucanthemum vulgare* Lam.; DTM 1019 (questionably naturalized)
Liatris aspera Michx.; DTM 576
Liatris elegans (Walt.) Michx.; DTM 204
Liatris pycnostachya Michx.; DTM 517
Liatris squarrosa (L.) Michx.; DTM 542
Liatris tenuis Shinnars; RDT 37304
Marshallia caespitosa Nutt. ex DC.; DTM 351
Mikania scandens (L.) Willd.; DTM 209
Oligoneuron nitida (Torr. & A. Gray) Small; DTM 159
Oligoneuron rigidum (L.) Small; RDT 93593
Packera glabella (Poir.) C. Jeffrey; DTM 41
Packera obovata (Muhl. ex Willd.) W.A. Weber & A. Love; Barbour 1062
 **Parthenium hysterophorus* L.; DTM 1999
Parthenium integrifolium L.; DTM 13
Pityopsis gramnifolia (Michx.) Nutt.; MM 906
Pluchea camphorata (L.) DC.; DTM 698
Pluchea foetida (L.) DC.; MM 284
Pluchea odorata (L.) Cass.; MM 277
Pseudognaphalium helleri (Britt.) A. Anderb.; RDT 41805
Pseudognaphalium obtusifolium (L.) Hilliard & Burtt; DTM 595
Pyrrhopappus carolinianus (Walt.) DC.; DTM 552
Pyrrhopappus pauciflorus (D. Don) DC.; DTM 499
Ratibida pinnata (Vent.) Barnh.; DTM 94
Rudbeckia grandiflora (D. Don) J.F. Gmel. ex DC.; DTM 914
Rudbeckia hirta L.; DTM 103
Rudbeckia maxima Nutt.; DTM 95
 **Senecio vulgaris* L.; MM 5945
Silphium integrifolium Michx.; DTM 2326
Silphium laciniatum L.; MM 2054
 **Silybum marianum* (L.) Gaertn.; RDT 34559
Smallanthus uvedalia (L.) Mackenzie ex Small; DTM 1088
Solidago altissima L.; DTM 627
Solidago auriculata Shuttlew. ex Blake; DTM 1916
Solidago ludoviciana (Gray) Small; MM 2889
Solidago odora Aiton; DTM 679
Solidago petiolaris Aiton; DTM 1961
Solidago radula Nutt.; Haynes 4081
Solidago rugosa P. Mill; DTM 686
Solidago ulmifolia Muhl. ex Willd.; DTM 670
 **Soliva sessilis* Ruiz & Pavon; DTM 1014
 **Sonchus asper* (L.) Hill; DTM 424
 **Sonchus oleraceus* L.; DTM 896
Symphotrichum divaricatum (Nutt.) Nesom; Haynes 4261
Symphotrichum drummondii (Lindl.) Nesom; DTM 2566
Symphotrichum dumosum (L.) Nesom; MM 6957
Symphotrichum laeve (L.) A. & D. Love; DTM 744
Symphotrichum lanceolatum (Willd.) Nesom; DTM 2586
Symphotrichum lateriflorum (L.) A. & D. Love; DTM 2057
Symphotrichum ontarionis (Wieg.) Nesom; RDT 69310
Symphotrichum oolentangiense (Riddell) Nesom; DTM 570
Symphotrichum patens (Aiton) Nesom; MM 6200
Symphotrichum pilosum (Willd.) Nesom; DTM 2569
Symphotrichum praealtum (Poir.) Nesom; DTM 700
Symphotrichum pratense (Raf.) Nesom; DTM 2080
Symphotrichum racemosum (Ell.) Nesom; MM 6999
Symphotrichum subulatum (Michx.) Nesom; Hardy 5297
 **Taraxacum officinale* G.H. Weber ex Wiggers; DTM 283

Tetragonotheca ludoviciana (Torr. & A. Gray) A. Gray ex Hall; MM 2743

Thelesperma filifolium (Hook.) A. Gray; RDT 88997 LSU

Verbesina helianthoides Michx.; DTM 455

Verbesina virginica L.; Barbour 971

Vernonia baldwinii Torr.; MM 6798

Vernonia missurica Raf.; Raymond 773 LSUS

Vernonia texana (Gray) Small; DTM 126

Xanthium strumarium L.; DTM 1095

**Youngia japonica* (L.) DC.; DTM 3012

BALSAMINACEAE

Impatiens capensis Meerb.; DTM 1094

BERBERIDACEAE

**Nandina domestica* Thunb.; MM 6465 (questionably naturalized)

Podophyllum peltatum L.; DTM 47

BETULACEAE

Alnus serrulata (Aiton) Willd.; DTM 2228

Betula nigra L.; Hardy 8614

Carpinus caroliniana Walt.; Haynes 5316

Ostrya virginiana (P. Mill) K. Koch; Haynes 4569

BIGNONIACEAE

Bignonia capreolata L.; DTM 803

Campsis radicans (L.) Seem. ex Bureau; DTM 137

Catalpa bignonioides Walt.; Barbour 82

Catalpa speciosa (Warder) Warder ex Engelm.; Frank 134 LSUS

BORAGINACEAE

**Buglossoides arvensis* (L.) I.M. Johnston; DTM 1071

Heliotropium curassavicum L.; Thieret 21132 LAF

Heliotropium indicum L.; DTM 175

Heliotropium procumbens P.Mill; DTM 624

Lithospermum caroliniense (Walt. ex J.F. Gmel.) MacM.; MM 2534

Myosotis macrosperma Engelm.; MM 6155 (includes *Myosotis verna* Nutt.)

Onosmodium bejariense DC. ex A. DC.; Cocks s.n. NO

BRASSICACEAE

**Arabidopsis thaliana* (L.) Heynh.; RDT 70506

**Camelina microcarpa* DC.; RDT 65101 LSU

**Capsella bursa-pastoris* (L.) Medik.; DTM 256

Cardamine bulbosa (Schreb. ex Muhl.) B.S.P.; MM 6205

Cardamine concatenata (Michx.) Sw.; MM 143

**Cardamine hirsuta* L.; DTM 261

Cardamine parviflora L.; Barbour 1133

Cardamine pensylvanica Muhl. ex Willd.; DTM 1130

**Coronopus didymus* (L.) Sm.; DTM 852

**Descurainia sophia* (L.) Webb. ex Prantl; RDT 65110

Draba brachycarpa Nutt. ex Torr. & A. Gray; DTM 2587

Draba cuneifolia Nutt. ex Torr. & A. Gray; DTM 943

Lepidium densiflorum Schrad.; RDT 65049 LSU

Lepidium virginicum L.; Raymond 757 LSUS

**Rapistrum rugosum* (L.) All.; DTM 2644

**Rorippa nasturtium-aquaticum* (L.) Hayek; DTM 2204

Rorippa palustris (L.) Bess.; DTM 975

Rorippa sessiliflora (Nutt.) A.S. Hitch.; Barbour 970

Sibara virginica (L.) Rollins; Barbour 536

**Sinapis arvensis* L.; DTM 275

**Sisymbrium altissimum* L.; RDT 88306

**Sisymbrium officinale* (L.) Scop.; RDT 83089

Streptanthus hyacinthoides Hook.; MM 2656

**Thlaspi arvense* L.; Barbour 1003

BUDDLEJACEAE

Polypremum procumbens L.; DTM 154

CABOMBACEAE

Cabomba caroliniana Gray; DTM 1721

CACTACEAE

Opuntia humifusa (Raf.) Raf.; MM 239

CALLITRICHACEAE

Callitriche heterophylla Pursh; Haynes 4577

Callitriche terrestris Raf.; DTM 1125

CAMPANULACEAE

Lobelia appendiculata A. DC.; DTM 732

Lobelia cardinalis L.; DTM 2037

Lobelia puberula Michx.; DTM 225

Triodanis biflora (Ruiz & Pavon) Greene; DTM 387

Triodanis perfoliata (L.) Nieuwl.; DTM 995

CAPPARACEAE

**Cleome hassleriana* Chod.; Haynes 5938

Polanisia dodecandra (L.) DC.; RDT 64990

CAPRIFOLIACEAE

**Lonicera japonica* Thunb.; DTM 120

Lonicera sempervirens L.; DTM 402

Sambucus nigra L.; DTM 1284

Symphoricarpos orbiculatus Moench; Raymond 865
LSUS

Triosteum angustifolium L.; DTM 2287

Viburnum nudum L.; DTM 2286

Viburnum prunifolium L.; RDT 25303

Viburnum rufidulum Raf.; MM 2823

CARYOPHYLLACEAE

Arenaria benthamii Fenzl ex Torr. & A. Gray; RDT 65108
LSU

Arenaria lanuginosa (Michx.) Rohrb.; DTM 1760

**Arenaria serpyllifolia* L.; MM 2611

Cerastium brachypodum (Engelm. ex A. Gray) B.L. Rob-
ins.; DTM 2136

**Cerastium fontanum* Baumg.; Strout 122 LSUS

**Cerastium glomeratum* Thuill.; DTM 937

Geocarpon minimum Mackenzie; MM 7284

Loeflingia squarrosa Nutt.; Reid 4855 LSU

Minuartia drummondii (Shinners) McNeill; MM 7308

Minuartia muscorum (Fassett) Rabeler; MM 7309

Paronychia drummondii Torr. & A. Gray; DTM 2448

Paronychia fastigiata (Raf.) Fern.; Correll & Correll 10096
LSU

Sagina decumbens (Ell.) Torr. & A. Gray; DTM 2723

- **Saponaria officinalis* L.; MM 237
 **Scleranthus annuus* L.; RDT 82790 LSU
Silene antirrhina L.; DTM 831
 **Silene gallica* L.; DTM 367
 **Silene noctiflora* L.; RDT 65030
Silene stellata (L.) Aiton f.; DTM 2302
 **Stellaria media* (L.) Vill.; Barbour 33
 **Vaccaria hispanica* (P. Mill.) Rauschert; RDT 65131 LSU

CELASTRACEAE

- Evonymus americana* L.; Hardy 8615

CERATOPHYLLACEAE

- Ceratophyllum demersum* L.; DTM 1554

CHENOPODIACEAE

- **Bassia scoparia* (L.) A.J. Scott; RDT 65018
 **Chenopodium album* L.; RDT 66459
 **Chenopodium ambrosoides* L.; DTM 1841
Chenopodium berlandieri Moq.; RDT 66452
 **Chenopodium murale* L.; DTM 931
Chenopodium pratericola Rydb.; RDT 65055
Chenopodium simplex (Torr.) Raf.; DTM 935
Chenopodium standleyanum Aellen; Overby 94 NLU
Cycloloma atriplicifolium (Spreng.) Coult.; Lewis 3663
 NLU
Monolepis nuttalliana (J.A. Schultes) Greene; DTM 2196
 **Salsola tragus* L.; RDT 65028 LSU

CISTACEAE

- Helianthemum carolinianum* (Walt.) Michx.; DTM 1616
Helianthemum georgianum Chapman; MM 2745
Helianthemum rosmarinifolium Pursh; DTM 1744
Lechea mucronata Raf.; MM 2715
Lechea tenuifolia Michx.; DTM 1785

CLUSIACEAE

- Hypericum crux-andreae* (L.) Crantz; DTM 586
Hypericum densiflorum Pursh; RDT 65084 LSU
Hypericum drummondii (Grev. & Hook.) Torr. & A. Gray;
 DTM 149
Hypericum frondosum Michx.; DTM 1257
Hypericum gentianoides (L.) B.S.P.; Allen 8539 LAF
Hypericum gymnanthum Engelm. & A. Gray; RDT
 165816
Hypericum hypericoides (L.) Crantz; DTM 166
Hypericum mutilum L.; Haynes 5317
Hypericum nudiflorum Michx. ex Willd.; Raymond 1291
 LSUS
Hypericum prolificum L.; RDT 42445 LSU
Hypericum pseudomaculatum Bush; DTM 453
Hypericum punctatum Lam.; DTM 1066
Triadenum walteri (J.G. Gmel.) Gleason; RDT 36265

CONVOLVULACEAE

- **Convolvulus arvensis* L.; DTM 163
Dichondra caroliniensis Michx.; DTM 308
Evolvulus sericeus Sw.; MM 3355 LSU
Ipomoea cordatotriloba Dennst.; DTM 696
Ipomoea hederacea Jacq.; DTM 1920

- Ipomoea lacunosa* L.; DTM 667
Ipomoea panderata (L.) G.F.W. Mey.; DTM 1805
Ipomoea purpurea (L.) Roth; MM 125
Ipomoea quamoclit L.; RDT 42043
 **Ipomoea wrightii* Gray; DTM 2693
Jacquemontia tamnifolia (L.) Griseb.; DTM 640
Stylisma humistrata (Walt.) Chapman; RDT 92409
Stylisma pickeringii (Torr. ex M.A. Curtis) A. Gray; MM
 2677

CORNACEAE

- Cornus drummondii* C.A. Mey.; Hardy 8607
Cornus florida L.; Graham 571 LSUS
Cornus foemina P. Mill.; RDT 167069
Nyssa aquatica L.; RDT 37260
Nyssa sylvatica Marsh.; DTM 1638 (includes *N. biflora* T.
 Walter)

CRASSULACEAE

- Crassula aquatica* (L.) Schoenl.; RDT 34511
Penthorum sedoides L.; Raymond 683 LSUS
Sedum nuttallianum Raf.; RDT 83128 NLU

CUCURBITACEAE

- Cayaponia quinqueloba* (Raf.) Shinnery; RDT 25353 LSU
Melothria pendula L.; DTM 233

CUSCUTACEAE

- Cuscuta compacta* Juss. ex Choisy; DTM 1934
Cuscuta gronovii Willd. ex J.A. Schultes; MM 6961
Cuscuta indecora Choisy; MM 6807
Cuscuta pentagona Engelm.; DTM 1788

DROSERACEAE

- Drosera brevifolia* Pursh; DTM 832

EBENACEAE

- Diospyros virginiana* L.; DTM 1176

ELAEAGNACEAE

- **Elaeagnus pungens* Thunb.; DTM 2054 (questionably
 naturalized)

ERICACEAE

- Lyonia mariana* (L.) D. Don; RDT 33683
Rhododendron canescens (Michx.) Sweet; RDT 33665
Rhododendron oblongifolium (Small) Mallais; RDT
 88707
Rhododendron viscosum (L.) Torr.; DTM 2278
Vaccinium arboreum Marsh.; DTM 1637
Vaccinium corymbosum L.; Haynes 4628 (includes *V.*
elliottii Chapman, *V. fuscatum* Aiton, and *V. virgatum*
 Aiton
Vaccinium stamineum L.; DTM 1155

EUPHORBIACEAE

- Acalypha gracilens* Gray; DTM 653
Acalypha monococca (Engelm. & A. Gray) L. Mill & Gan-
 dhi; RDT 66478 LSU
Acalypha ostryifolia Riddell; DTM 1392
Acalypha rhomboidea Raf.; DTM 704
Acalypha setosa A. Rich.; DTM 1092

- Acalypha virginica* L.; DTM 1371
Chamaesyce cordifolia (Ell.) Small; DTM 1940
Chamaesyce humistrata (Engelm.) Small; RDT 36205
Chamaesyce maculata (L.) Small; DTM 1821 LSU
Chamaesyce nutans (Lag.) Small; Haynes 4223
Chamaesyce prostrata (Aiton) Small; DTM 1830
Chamaesyce serpens (Kunth) Small; RDT 32893
Cnidoscolus texanus (Muell.-Arg.) Small; Haynes 5414
Croton argyranthemus Michx.; RDT 81395 LSU
Croton capitatus Michx.; DTM 119
Croton glandulosus L.; DTM 188
Croton michauxii G.L. Webster; MM 2772
Croton monanthogynus Michx.; DTM 170.
Croton willdenowii G.L. Webster; DTM 532
Euphorbia corollata L.; DTM 71
Euphorbia dentata Michx.; MM 311
**Euphorbia helioscopia* L.; DTM 800
Euphorbia heterophylla L.; RDT 166974
Euphorbia spathulata Lam.; DTM 2272
Euphorbia tetraspora Engelm.; Moore s.n. LSU
Phyllanthus caroliniensis Walt.; MM 6981
**Phyllanthus urinaria* L.; RDT 166975
**Ricinus communis* L.; Thieret 21037 LAF (questionably naturalized)
Stillingia sylvatica Garden ex L.; DTM 1719
Tragia betonicifolia Nutt.; RDT 45419
Tragia cordata Michx.; RDT 36187
Tragia urticifolia Michx.; DTM 1345
**Triadica sebiferum* (L.) Small; DTM 1757
- FABACEAE**
- Acacia angustissima* (P. Mill.) Kuntze; DTM 74
**Albizia julibrissin* Durazz.; DTM 1079
Amorpha fruticosa L.; MM 6793
Amorpha paniculata Torr. & A. Gray; MM 255
Amphicarpaea bracteata (L.) Fern.; DTM 650
Apios americana Medik.; DTM 203
Astragalus canadensis L.; DTM 3052
Astragalus distortus Torr. & A. Gray; DTM 260
Astragalus leptocarpus Torr. & A. Gray; MM 2548
Astragalus soxmaniorum Lundell; DTM 1806
Baptisia alba (L.) Vent.; DTM 867
Baptisia bracteata Muhl. ex Ell.; MM 176
Baptisia nuttalliana Small; DTM 372
Baptisia sphaerocarpa Nutt.; MM 192
Centrosema virginianum (L.) Benth.; DTM 169
Cercis canadensis L.; Barbour 538
Chamaecrista fasciculata (Michx.) Greene; DTM 86
Chamaecrista nictitans (L.) Moench; DTM 215
Clitoria mariana L.; DTM 123
Crotalaria sagittalis L.; DTM 1287
**Crotalaria spectabilis* Roth; Thieret 21019 LAF
Dalea candida Michx. ex Willd.; DTM 124
Dalea phleoides (Torr. & A. Gray) Shinners; MM 2657
Dalea purpurea Vent.; DTM 534
Dalea villosa (Nutt.) Spreng.; DTM 1797
Desmanthus illinoensis (Michx.) MacM. ex B.L. Robins. & Fern.; DTM 1969
Desmodium canescens (L.) DC.; DTM 1973
Desmodium ciliare (Muhl. ex Willd.) DC.; DTM 211
Desmodium glabellum (Michx.) DC.; RDT 37293
Desmodium laevigatum (Nutt.) DC.; RDT 136869
Desmodium nudiflorum (L.) DC.; Overby 292 NLU
Desmodium nuttallii (Schindl.) Schub.; Raymond 2069 LSUS
Desmodium paniculatum (L.) DC.; Raymond 782 LSUS
Desmodium sessilifolium (Torr.) Torr. & A. Gray; DTM 1084
Desmodium viridiflorum (L.) DC.; RDT 37297
Dioclea multiflora (Torr. & A. Gray) C. Mohr; RDT 37291
Erythrina herbacea L.; DTM 439
Galactia volubilis (L.) Britt.; DTM 591
Gleditsia aquatica Marsh.; Reid 4636 NLU
Gleditsia triacanthos L.; Hardy 8612
Glottidium vesicarium (Jacq.) Harper; Haynes 5328
**Kummerowia striata* (Thunb.) Schindl.; DTM 1505
**Lathyrus hirsutus* L.; DTM 371
Lathyrus pusillus Ell.; DTM 795
Lathyrus venosus Muhl. ex Willd.; DTM 2199
**Lespedeza cuneata* (Dum.-Cours.) G. Don; RDT 36216
Lespedeza hirta (L.) Hornem.; DTM 678
Lespedeza procumbens Michx.; DTM 733
Lespedeza repens (L.) W. Bart.; DTM 155
Lespedeza stuevei Nutt.; MM 2812
Lespedeza violacea (L.) Pers.; RDT 152260
Lespedeza virginica (L.) Britt.; DTM 14
Lotus unifoliolatus (Hook.) Benth.; RDT 66462 LSU
Lupinus texensis Hook.; Newsom s.n. LSUS
**Medicago arabica* (L.) Huds.; DTM 362
**Medicago lupulina* L.; DTM 107
**Medicago minima* (L.) L.; RDT 70519
**Medicago polymorpha* L.; Barbour 530
**Medicago sativa* L.; DTM 110
**Melilotus albus* Medik.; DTM 147
**Melilotus indicus* (L.) All.; DTM 331
**Melilotus officinalis* (L.) Lam.; DTM 410
Mimosa nuttallii (DC.) B.L. Turner; DTM 164
Mimosa strigillosa Torr. & A. Gray; DTM 19
Neptunia lutea (Leavenworth) Benth.; DTM 50
Neptunia pubescens Benth.; Lasseigne 1002 LAF
Orbexilum pedunculatum (P. Mill.) Rydb.; DTM 385
Orbexilum simplex (Nutt. ex Torr. & A. Gray) Rydb.; DTM 1119
Parkinsonia aculeata L.; DTM 756
Pediomelum digitatum (Nutt. ex Torr. & A. Gray) Isely; MM 235
Pediomelum hypogaeum (Nutt. ex Torr. & A. Gray) Rydb.; MM 2549
Prosopis glandulosa Torr.; Cocks s.n. NO
**Pueraria montana* (Lour.) Merr.; Hardy 8896
Rhynchosia latifolia Nutt. ex Torr. & A. Gray; DTM 520
Rhynchosia minima (L.) DC.; MM 6991
Rhynchosia reniformis DC.; DTM 129

Rhynchosia tomentosa (L.) Hook. & Arn.; RDT 36931
Robinia hispida L.; MM 194
Robinia pseudoacacia L.; Haynes 5699
Senna marilandica (L.) Link; DTM 196
Senna obtusifolia (L.) Irwin & Barneby; DTM 1575
Sesbania drummondii (Rydb.) Cory; DTM 202
Sesbania herbacea (P. Mill.) McVaugh; DTM 1476
 **Sesbania punicea* (Cav.) Benth.; DTM 1215
Sophora affinis Torr. & A. Gray; Cocks s.n. NO
Strophostyles helvula (L.) Ell.; DTM 564
Strophostyles leiosperma (Torr. & A. Gray) Piper; DTM 544
Strophostyles umbellata (Muhl. ex Willd.) Britt.; Raymond 779 LSUS
Stylosanthes biflora (L.) B.S.P.; MM 2713
Tephrosia onobrychoides Nutt.; DTM 1904
Tephrosia virginiana (L.) Pers.; DTM 462
 **Trifolium arvense* L.; RDT 80865
 **Trifolium campestre* Schreb.; DTM 151
Trifolium carolinianum Michx.; DTM 2639
 **Trifolium dubium* Sibthorp; DTM 289
 **Trifolium incarnatum* L.; DTM 334
 **Trifolium lappaceum* L.; DTM 2641
 **Trifolium pratense* L.; MM 6466
Trifolium reflexum L.; DTM 2638
 **Trifolium repens* L.; DTM 136
 **Trifolium resupinatum* L.; DTM 313
 **Trifolium vesiculosum* Savi; DTM 125
Vicia caroliniana Walt.; DTM 2137
Vicia ludoviciana Nutt.; DTM 1160
 **Vicia lutea* L.; RDT 127204
Vicia minutiflora F.G. Dietr.; MM 152
 **Vicia sativa* L.; DTM 358
 **Vicia tetrasperma* (L.) Schreb.; RDT 88360 LSU
 **Vicia villosa* Roth; DTM 394
Wisteria frutescens (L.) Poir.; Haynes 5356
 **Wisteria sinensis* (Sims) DC.; DTM 1131
Zornia bracteata J.F. Gmel.; MM 2844

FAGACEAE

Castanea pumila (L.) P. Mill.; DTM 1202
Fagus grandifolia Ehrh.; Manning 208 LTU
Quercus alba L.; Barbour 567
Quercus arkansana Sarg.; MM 2872
Quercus falcata Michx.; Haynes 4094
Quercus hemispherica Bart. ex Willd.; RDT 32931
Quercus incana Bartr.; MM 2581
Quercus laurifolia Michx.; RDT 37236
Quercus lyrata Walt.; RDT 42015
Quercus macrocarpa Michx.; Thieret 22660 LAF
Quercus margarettiae Ashe ex Small; RDT 167037
Quercus marilandica Muenchh.; Raymond 1321 LSUS
Quercus michauxii Nutt.; DTM 2152
Quercus muehlenbergii Engelm.; RDT 36212
Quercus nigra L.; MM 5972
Quercus phellos L.; Raymond 1292 LSUS
Quercus rubra L.; Middlebrooks 206 NLU
Quercus shumardii Buckl.; Hardy 8609

Quercus stellata Wangenh.; MM 5016 (includes *Quercus similis* Ashe)
Quercus velutina Lam.; Raymond 145 NLU
Quercus virginiana P. Mill.; Rowe 105 LSUS

FUMARIACEAE

Corydalis flavula (Raf.) DC.; RDT 88228
Corydalis micrantha (Engelm. ex A. Gray) A. Gray; MM 135

GENTIANACEAE

Centaurium muehlenbergii (Griseb.) W. Wright ex Piper; MM 6435.
Sabatia angularis (L.) Pursh; DTM 145
Sabatia campestris Nutt.; DTM 72

GERANIACEAE

Geranium carolinianum L.; DTM 301
 **Geranium dissectum* L.; DTM 990

GROSSULARIACEAE

Itea virginica L.; DTM 1196
Ribes curvatum Small; DTM 2129

HALORAGACEAE

**Myriophyllum aquaticum* (Vell.) Verdc.; Barbour 454
Myriophyllum heterophyllum Michx.; Barbour 908
 **Myriophyllum spicatum* L.; Barbour 450
Proserpinaca palustris L.; MM 205

HAMAMELIDACEAE

Hamamelis virginiana L.; Manning 176 LTU
Liquidambar styraciflua L.; DTM 1071

HIPPOCASTANACEAE

Aesculus pavia L.; Graham 446 LSUS

HYDROPHYLLACEAE

Hydrolea ovata Nutt. ex Choisy; DTM 12
Hydrolea uniflora Raf.; DTM 11
Phacelia glabra Nutt.; DTM 335
Phacelia strictiflora (Engelm. & A. Gray) A. Gray; MM 2544

JUGLANDACEAE

Carya alba (L.) Nutt. ex Ell.; Raymond 1294 LSUS
Carya aquatica (Michx. f.) Nutt.; Barbour 909
Carya cordiformis (Wangenh.) K. Koch; Raymond 1302 LSUS
Carya glabra (P. Mill.) Sweet; RDT 170092
Carya illinoensis (Wangenh.) K. Koch; MM 6470
Carya myristiciformis (Michx. f.) Nutt.; Graham 503 LSUS
Carya ovata (P. Mill.) K. Koch; MM 244
Carya texana Buckl.; Hardy 8611
Juglans nigra L.; Raymond 1679 NLU

LAMIACEAE

**Ajuga reptans* L.; MM 202
 **Glechoma hederacea* L.; RDT 43545
Hedeoma hispida Pursh; DTM 873
 **Lamium amplexicaule* L.; DTM 53
 **Lamium purpureum* L.; DTM 2095
Lycopus americanus Muhl. ex W. Bart.; DTM 161

Lycopus rubellus Moench; DTM 682
Lycopus virginicus L.; RDT 37009
 **Mentha spicata* L.; DTM 1839
Monarda citriodora Cerv. ex Lag.; RDT 45372
Monarda clinopodioides Gray; DTM 1753
Monarda fistulosa L.; DTM 93
Monarda punctata L.; DTM 15
 **Perilla frutescens* (L.) Britt.; MM 270
Physostegia angustifolia Fern.; MM 222
Physostegia digitalis Small; DTM 527
Physostegia intermedia (Nutt.) Engelm. & A. Gray; DTM 2305
Prunella vulgaris L.; DTM 380
Pycnanthemum albescens Torr. & A. Gray; DTM 194
Pycnanthemum muticum (Michx.) Pers.; RDT 167061
Pycnanthemum tenuifolium Schrad.; DTM 54
Salvia azurea Michx. ex Lam.; DTM 214
Salvia lyrata L.; DTM 35
Scutellaria cardiophylla Engelm. & A. Gray; MM 2723
Scutellaria integrifolia L.; DTM 430
Scutellaria ovata Hill; DTM 1815
Scutellaria parvula Michx.; DTM 323
Stachys crenata Raf.; DTM 325
Stachys floridana Shuttlw. ex Benth.; MM 214
Stachys tenuifolia Willd.; DTM 1401
Teucrium canadense L.; DTM 235
Trichostema dichotomum L.; DTM 653

LAURACEAE

Lindera benzoin (L.) Blume; Hardy 8617
Sassafras albidum (Nutt.) Nees; DTM 1068

LENTIBULARIACEAE

Uticularia gibba L.; Barbour 446
Uticularia inflata Walt.; DTM 2183
Uticularia macrorhiza LeConte; Barbour 464

LINACEAE

Linum medium (Planch.) Britt.; DTM 522
Linum striatum Walt.; RDT 170116

LOGANIACEAE

Gelsemium sempervirens (L.) Aiton f.; DTM 270
Mitreola petiolata (J.F. Gmel.) Torr. & A. Gray; DTM 201
Spigelia marilandica (L.) L.; MM 210

LYTHRACEAE

Ammannia auriculata Willd.; DTM 1817
Ammannia coccinea Rottb.; MM 289
Decodon verticillatus (L.) Ell.; Lynch 2663 LSUS
Lythrum alatum Pursh; MM 6783
Rotala ramosior (L.) Koehne; Haynes 5336

MAGNOLIACEAE

Magnolia grandiflora L.; Burns 238 LSUS
Magnolia virginiana L.; Barbour 1191

MALVACEAE

**Abutilon theophrasti* Medik.; RDT 119031

Callirhoe alcaeoides (Michx.) A. Gray; DTM 1049
Callirhoe digitata Nutt.; RDT 88370
Callirhoe involucrata (Torr. & A. Gray) A. Gray; Newsom s.n. LSU
Callirhoe papaver (Cav.) A. Gray; MM 257
Hibiscus laevis All.; DTM 92
Hibiscus moscheutos L.; DTM 168
 **Hibiscus syriacus* L.; Gamblin s.n. LTU (localized and persisting)
Malvaviscus arboreus Dill. ex Cav.; MM 123
Modiola caroliniana (L.) G. Don; DTM 379
Sida rhombifolia L.; DTM 186
Sida spinosa L.; DTM 521

MELASTOMATACEAE

Rhexia mariana L.; DTM 243

MELIACEAE

**Melia azedarach* L.; MM 6183

MENISPERMACEAE

Cocculus carolinus (L.) DC.; Barbour 473

MOLLUGINACEAE

Mollugo verticillata L.; DTM 1373

MONOTROPACEAE

Monotropa hypopithys L.; Thieret 24524 LAF
Monotropa uniflora L.; MM 281

MORACEAE

**Broussonetia papyrifera* (L.) L'Her. ex Vent.; DTM 1145
Maclura pomifera (Raf.) Schneid.; Barbour 570
 **Morus alba* L.; DTM 1324
Morus rubra L.; Haynes 5764

MYRICACEAE

Morella caroliniensis (P. Mill) Small; RDT 33652
Morella cerifera (L.) Small; Haynes 4507

NELUMBONACEAE

Nelumbo lutea Willd.; Barbour 467

NYCTAGINACEAE

Boerhaavia diffusa L.; DTM 2573
Boerhaavia erecta L.; RDT 65066 LSU
Mirabilis albida (Walt.) Heimerl; MM 2610

NYMPHAEACEAE

Nuphar advena (Aiton) W.T. Aiton; MM 208
Nymphaea odorata Aiton; DTM 918

OLEACEAE

Chionanthus virginicus L.; Raymond 1307 LSUS
Forestiera acuminata (Michx.) Poir.; Barbour 1004
Forestiera ligustrina (Michx.) Poir.; Raymond s.n. LSUS
Fraxinus americana L.; Hardy 8613
Fraxinus caroliniana P. Mill.; MM 252
Fraxinus pennsylvanica Marsh.; MM 6682
 **Ligustrum japonicum* Thunb.; DTM 1173
 **Ligustrum lucidum* Aiton f.; RDT 32907
 **Ligustrum sinense* Lour.; DTM 1171

ONAGRACEAE

- Gaura longiflora* Spach; DTM 221
Gaura mollis James; DTM 104
Gaura sinuata Nutt. ex Ser.; DTM 1790
Ludwigia alternifolia L.; DTM 115
Ludwigia decurrens Walt.; DTM 617
Ludwigia glandulosa Walt.; DTM 1400
Ludwigia hirtella Raf.; DTM 1301
Ludwigia leptocarpa (Nutt.) Hara; DTM 226
Ludwigia linearis Walt.; DTM 622
Ludwigia palustris (L.) Ell.; Haynes 4090
Ludwigia peploides (Kunth) Raven; Haynes 4087
Ludwigia repens J.R. Forst.; MM 6633
Oenothera biennis L.; MM 2685
Oenothera heterophylla Spach; Thieret 31220 LAF
Oenothera laciniata Hill; DTM 79
Oenothera linifolia Nutt.; DTM 311
Oenothera spachiana Torr. & A. Gray; DTM 989
Oenothera speciosa Nutt.; DTM 122

OXALIDACEAE

- Oxalis corniculata* L.; MM 5947
 **Oxalis debilis* Kunth; MM 321
Oxalis dillenii Jacq.; MM 171
 **Oxalis rubra* St.-Hil.; DTM 492
Oxalis violacea L.; DTM 417

PAPAVERACEAE

- **Papaver rhoeas* L.; Barbour 560 (questionably naturalized)

PASSIFLORACEAE

- Passiflora incarnata* L.; DTM 133
Passiflora lutea L.; DTM 96

PEDALIACEAE

- Proboscidea louisianica* (P. Mill.) Thellung; Hall s.n. LSUS

PHRYMACEAE

- Phryma leptostachya* L.; DTM 1290

PHYTOLACCACEAE

- Phytolacca americana* L.; DTM 61
Rivinia humilis L.; DTM 1490

PLANTAGINACEAE

- Plantago aristata* Michx.; DTM 1025
Plantago heterophylla Nutt.; MM 6023
Plantago hookeriana Fisch. & C.A. Mey.; MM 2580
 **Plantago lanceolata* L.; DTM 897
Plantago patagonica Jacq.; RDT 88695
Plantago pusilla Nutt.; MM 7301
Plantago rhodosperma Dcne.; RDT 65015
Plantago virginica L.; DTM 1026
Plantago wrightiana Dcne.; DTM 913

PLATANACEAE

- Platanus occidentalis* L.; Haynes 4634

POLEMONIACEAE

- Phlox divaricata* L.; Lawrence 17 LTU
Phlox drummondii Hook.; MM 197

- Phlox pilosa* L.; Raymond 1200 LSUS

POLYGALACEAE

- Polygala mariana* P. Mill.; RDT 170119
Polygala polygama Walt.; MM 2629
Polygala sanguinea L.; DTM 461
Polygala verticillata L.; RDT 36193

POLYGONACEAE

- Brunnichia ovata* (Walt.) Shinnery; DTM 171
Eriogonum longifolium Nutt.; MM 2323
Eriogonum multiflorum Benth.; MM 2870
Polygonella americana (Fisch. & C.A. Mey.) Small; MM 2816
 **Polygonum aviculare* L.; DTM 1336
 **Polygonum caespitosum* Blume; RDT 170115
 **Polygonum convolvulus* L.; RDT 66461 LSU
Polygonum densiflorum Meisn.; DTM 608
Polygonum erectum L.; RDT 32876
Polygonum hydropiperoides Michx.; DTM 113
 **Polygonum lapathifolium* L.; DTM 601
Polygonum pensylvanicum L.; DTM 213
 **Polygonum persicaria* L.; Haynes 4222
Polygonum punctatum Ell.; Haynes 4224
Polygonum ramosissimum Michx.; DTM 643
Polygonum scandens L.; MM 292
Polygonum setaceum Baldw.; DTM 239
Polygonum virginianum L.; Raymond 775 LSUS
Rumex altissimus Wood; DTM 1192
 **Rumex crispus* L.; DTM 817
Rumex hastatulus Baldw.; DTM 798
 **Rumex pulcher* L.; DTM 865
Rumex verticillatus L.; DTM 907

PORTULACACEAE

- Claytonia virginica* L.; DTM 116
Portulaca oleracea L.; DTM 692
Talinum parviflorum Nutt.; MM 3354
Talinum rugospermum Holz.; MM 2757

PRIMULACEAE

- **Anagallis arvensis* L.; Lynch 3861 LSUS
Anagallis minima (L.) Krause; DTM 1135
Dodecatheon meadia L.; DTM 314
Lysimachia lanceolata Walt.; Graham 565 LSUS
Samolus valerandi L.; DTM 374

RANUNCULACEAE

- Anemone berlandieri* Pritz.; DTM 2590
Anemone caroliniana Walt.; DTM 264
Clematis crispa L.; MM 267
Clematis reticulata Walt.; MM 2680
 **Clematis terniflora* DC.; MM 122
Clematis virginiana L.; MM 269
Delphinium carolinianum Walt.; MM 2774
Myosurus minimus L.; Barbour 556
Ranunculus abortivus L.; DTM 953
Ranunculus fascicularis Muhl. ex Bigelow; DTM 773
Ranunculus laxicaulis (Torr. & A. Gray) Darby; DTM 292

- **Ranunculus marginatus* d'Urv.; DTM 980
 **Ranunculus muricatus* L.; DTM 409
 **Ranunculus parviflorus* L.; DTM 878
Ranunculus pusillus Poir.; DTM 775
Ranunculus recurvatus Poir.; DTM 1047
 **Ranunculus sardous* Crantz; DTM 1048
Ranunculus sceleratus L.; DTM 2019
 **Ranunculus trilobus* Desf.; DTM 902
Thalictrum dasycarpum Fisch. & Ave-Lall.; DTM 901

RHAMNACEAE

- Berchemia scandens* (Hill) K. Koch; DTM 1781
Ceanothus americanus L.; MM 2370
Ceanothus herbaceus Raf.; RDT 93612
Frangula caroliniana (Walt.) A. Gray; Hardy 8646
 **Ziziphus zizyphus* (L.) Karst.; RDT 33078

ROSACEAE

- Agrimonia microcarpa* Wallr.; Haynes 5337
Agrimonia rostellata Wallr.; Haynes 5315
Amelanchier arborea (Michx. f.) Fernald; Manning 485
 LTU
 **Aphanes microcarpa* (Boiss. & Reut.) Rothm.; RDT
 82794
Aronia arbutifolia (L.) Ell.; RDT 33632
Crataegus berberifolia Torr. & A. Gray; Graham 460 LSUS
Crataegus brachyacantha Sarg. & Engelm.; Rowe 85
 LSUS
Crataegus crus-galli L.; RDT 165825
Crataegus engelmannii Sarg.; DTM 1966 LSU
Crataegus marshallii Egglest.; Haynes 4623
Crataegus opaca Hook. & Arn.; Haynes 4627
Crataegus spathulata Michx.; Haynes 4095
Crataegus uniflora Muenchh.; MM 2578
Crataegus viridis L.; Barbour 1164
 **Duchesnea indica* (Andr.) Focke; DTM 4
Geum canadense Jacq.; DTM 387
Malus angustifolia (Aiton) Michx.; RDT 88278
Porteranthus stipulatus (Muhl. ex Willd.) Britt.; DTM 1030
 **Potentilla recta* L.; MM 2620
Potentilla simplex Michx.; DTM 48
Prunus americana Marsh.; RDT 96045
Prunus angustifolia Marsh.; MM 2538
Prunus caroliniana (P. Mill.) Aiton; DTM 1121
Prunus gracilis Engelm. & A. Gray; MM 2539
Prunus mexicana S. Wats.; Raymond 69 LSUS
Prunus serotina Ehrh.; Barbour 47
Prunus umbellata Ell.; DTM 1603
 **Pyrus calleryana* Dcne.; MM 5976
 **Rosa bracteata* J.C. Wendl.; Barbour 462 (questionably
 naturalized)
Rosa carolina L.; MM 201
 **Rosa laevigata* Michx.; Barkley 103 LSU (questionably
 naturalized)
 **Rosa multiflora* Thunb. ex Murr.; Lynch 2273 LSUS
 (questionably naturalized)

- Rosa setigera* Michx.; MM s.n.
Rubus argutus Link.; Raymond 2006 LSUS
Rubus trivialis Michx.; Graham 444 LSUS

RUBIACEAE

- Cephalanthus occidentalis* L.; DTM 1296
Diodia teres Walt.; DTM 156
Diodia virginiana L.; DTM 83
Galium aparine L.; DTM 288
Galium circaezans Michx.; DTM 922
Galium obtusum Bigelow; DTM 994
 **Galium parisiense* L.; RDT 88323
Galium pilosum Aiton; DTM 915
Galium tinctorium (L.) Scop.; DTM 355
Galium triflorum Michx.; RDT 43947
Galium uniflorum Michx.; RDT 33621
Hedyotis nigricans (Lam.) Fosberg; MM 227
Houstonia micrantha (Skinner) Terrell; DTM 1979
Houstonia pusilla Schoepf; Raymond 741 LSUS
Houstonia rosea (Raf.) Terrell; DTM 255
Mitchella repens L.; DTM 378
Oldenlandia boscii (DC.) Chapman; DTM 2996
Oldenlandia uniflora L.; RDT 33607
Richardia scabra L.; DTM 1919
 **Sherardia arvensis* L.; DTM 269
Spermacoce glabra Michx.; DTM 111

RUTACEAE

- **Poncirus trifoliata* (L.) Raf.; MM 160
Ptelea trifoliata L.; RDT 36987
Zanthoxylum clava-herculis L.; Raymond 1319 LSUS

SALICACEAE

- **Populus alba* L.; DTM 2230
Populus deltoides Bartr. ex Marsh.; Haynes 4633
Salix exigua Nutt.; Haynes 4157
Salix humilis Marsh.; RDT 88359 LSU
Salix nigra Marsh.; Haynes 5700

SAPINDACEAE

- Cardiospermum halicacabum* L.; Haynes 5292
Sapindus saponaria L.; RDT 88240

SAPOTACEAE

- Sideroxylon lanuginosa* Michx.; MM 2828
Sideroxylon lycioides L.; RDT 33011

SAURURACEAE

- Saururus cernuus* L.; DTM 30

SAXIFRAGACEAE

- Heuchera americana* L.; Haynes 5763
Lepuropetalon spathulatum Ell.; RDT 34504

SCROPHULARIACEAE

- Agalinis caddoensis* Pennell; Pennell 5658 PH
Agalinis fasciculata (Ell.) Raf.; DTM 755
Agalinis gattingeri (Small) Small; DTM 541
Agalinis heterophylla (Nutt.) Small ex Britt.; DTM 736
Agalinis homalanthia Pennell; DTM 748
Agalinis purpurea (L.) Pennell; DTM 2570

Agalinis tenuifolia (Vahl) Raf.; DTM 2582
Agalinis viridis (Small) Pennell; DTM 31
Aureolaria grandiflora (Benth.) Pennell; DTM 605
Aureolaria pectinata (Nutt.) Pennell; Cocks s.n. NO
Bacopa rotundifolia (Michx.) Wettst.; DTM 1592
Buchnera americana L.; DTM 21
Castilleja indivisa Engelm.; Barbour 62
 **Chaenorhinum minus* (L.) Lange; RDT 65115 LSU
Collinsia violacea Nutt.; Maynard 151 LTU
Dasistoma macrophylla (Nutt.) Raf.; Palmer 10611 MO
Gratiola flava Leavenworth; MM 7285
Gratiola neglecta Torr.; DTM 398
Gratiola pilosa Michx.; RDT 33636
Gratiola virginiana L.; DTM 1127
Leucospora multifida (Michx.) Nutt.; DTM 1103
Lindernia crustacea (L.) F. Muell.; RDT 41803
Lindernia dubia (L.) Pennell; DTM 165
 **Mazus pumilus* (Burm. f.) Steenis; DTM 964
Mecardonia acuminata (Walt.) Small; DTM 216
Mimulus alatus Aiton; DTM 603
Nuttallanthus canadensis (L.) D.A. Sutton; DTM 263
Nuttallanthus texanus (Scheele) D.A. Sutton; DTM 381
 **Parentucellia viscosa* (L.) Caruel; MM 2627
Pedicularis canadensis L.; DTM 37
Penstemon digitalis Nutt. ex Sims; Graham 554 LSUS
Penstemon laxiflorus Pennell; DTM 811
Penstemon murrayanus Hook.; MM 2317
Penstemon tenuis Small.; DTM 557
Penstemon tubaeiflorus Nutt.; DTM 81
Scrophularia marilandica L.; RDT 88232
 **Verbascum blatteria* L.; Hardy 6535
 **Verbascum thapsus* L.; DTM 200
 **Veronica arvensis* L.; DTM 262
 **Veronica hederifolia* L.; Burns 13 LSUS
Veronica peregrina L.; DTM 303
 **Veronica persica* Poir.; MM 5966
 **Veronica polita* Fries; DTM 273

SIMAROUBACEAE

**Ailanthus altissima* (P. Mill.) Swingle; Lewis 2185 NLU

SOLANACEAE

**Datura stramonium* L.; DTM 930
Physalis angulata L.; DTM 187
Physalis cineraesens (Dunal) A.S. Hitchc.; RDT 32855
Physalis cordata P. Mill.; RDT 32854
Physalis hederifolia Gray; RDT 89017
Physalis heterophylla Nees; MM 2619
Physalis longifolia Nutt.; MM 6667
Physalis mollis Nutt.; MM 2608
Physalis pubescens L.; DTM 1779
Physalis pumila Nutt.; RDT 140326
Solanum carolinense L.; DTM 99
Solanum dimidiatum Raf.; Petersen s.n. LSU
Solanum elaeagnifolium Cav.; DTM 108
 **Solanum pseudocapsicum* L.; Raymond 2149 LSUS
Solanum ptychanthum Dunal; DTM 118

Solanum rostratum Dunal; RDT 81358

SPHENOCLEACEAE

**Sphenoclea zeylandica* Gaertn.; RDT 36943

STYRACACEAE

Styrax americanus Lam.; MM 189
Styrax grandifolius Aiton; RDT 37239

SYMPLOCACEAE

Symplocos tinctoria (L.) L'Her.; Barbour 1166

TAMARICACEAE

**Tamarix gallica* L.; DTM 1318

TILIACEAE

Tilia americana L.; DTM 1144

ULMACEAE

Celtis laevigata Willd.; Haynes 4092
Celtis tenuifolia Nutt.; RDT 37283
Planera aquatica J.F. Gmel.; Haynes 8648
Ulmus alata Michx.; Haynes 4508
Ulmus americana L.; Haynes 4574
Ulmus crassifolia Nutt.; Hardy 8610
Ulmus rubra Muhl.; Raymond 308 LSUS

URTICACEAE

Boehmeria cylindrica (L.) Sw.; DTM 224
Parietaria pensylvanica Muhl. ex Willd.; DTM 1796
Pilea pumila (L.) A. Gray; MM 2950
Urtica chamaedryoides Pursh; DTM 3

VALERIANACEAE

Valerianella radiata (L.) Dufr.; DTM 1028

VERBENACEAE

Callicarpa americana L.; DTM 1069
Glandularia bipinnatifida (Nutt.) Nutt.; RDT 99514
Glandularia canadensis (L.) Nutt.; DTM 9
 **Glandularia pulchella* (Sweet) Troncoso; DTM 1355
 **Lantana camara* L.; RDT 36934
Lantana urticoides Hayek; DTM 1570
Phyla lanceolata (Michx.) Greene; DTM 22
Phyla nodiflora (L.) Greene; DTM 98
 **Verbena bonariensis* L.; DTM 1298
Verbena bracteata Lag. & Rodr.; RDT 65091
 **Verbena brasiliensis* Vell.; DTM 661
Verbena halei Small; DTM 330
 **Verbena rigida* Spreng.; DTM 893
Verbena urticifolia L.; DTM 609
Verbena xutha Lehm.; DTM 440
 **Vitex agnus-castus* L.; MM 226

VIOLACEAE

Viola bicolor Pursh; DTM 257
Viola lanceolata L.; DTM 2106
Viola palmata L.; DTM 772
Viola pedata L.; DTM 43
Viola primulifolia L.; DTM 2161
Viola pubescens Aiton; RDT 119113
Viola sagittata Aiton; DTM 2602

Viola sororia Willd.; DTM 788
Viola villosa Walt.; MM 141
Viola walteri House; DTM 816

VISCACEAE

Phoradendron tomentosum (DC.) Engelm. ex A. Gray;
 DTM 2102

VITACEAE

Ampelopsis arborea (L.) Koehne; DTM 152
Ampelopsis cordata Michx.; DTM 905
Cissus incisa Des Moul.; DTM 1784

Parthenocissus quinquefolia (L.) Planch.; MM 6208
Vitis aestivalis Michx.; DTM 912
Vitis cinerea (Engelm.) Millard; Correll & Correll 10091
 DUKE
Vitis palmata Vahl; RDT 25315
Vitis riparia Michx.; DTM 1159
Vitis rotundifolia Michx.; MM 6201
Vitis vulpina L.; RDT 42042

ZYGOPHYLLACEAE

**Tribulus terrestris* L.; DTM 600

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